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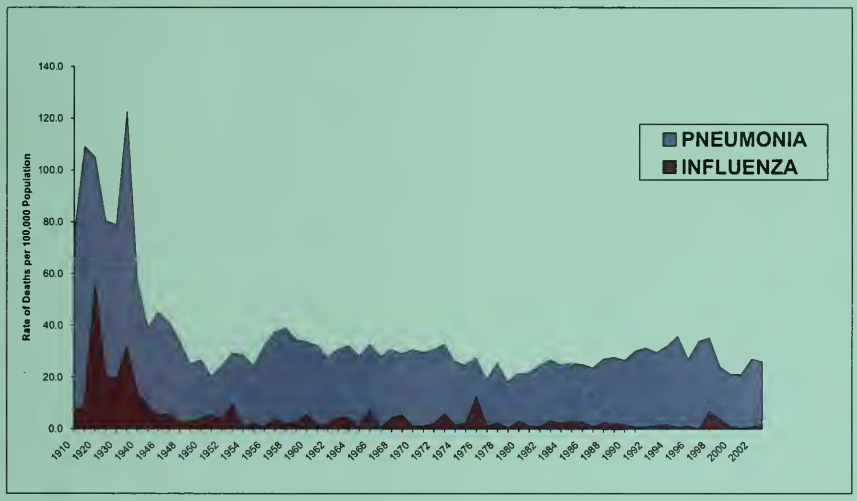
MONTANA

VITAL STATISTICS

RATES OF DEATH FROM PNEUMONIA AND INFLUENZA
MONTANA RESIDENTS, 1910-2003



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OFFICE OF VITAL STATISTICS

"It is the mission of the Office of Vital Statistics to build and maintain a complete, uniform system of accurate vital information which satisfies the legal requirements of individuals and their families, provides timely and convenient access for research and statistical needs for planning at the local, state, and national levels, and ensures the security of the information guaranteed by law."

The Office of Vital Statistics:

Maintains a permanent public record of each birth, death, and fetal death filed in Montana since 1907.

Maintains statistical information and statewide indexes for each marriage and marital termination that has occurred in Montana since July 1943.

Develops forms, standards, and guidelines for registration or reporting of all vital events occurring in the State of Montana.

Directs and monitors the functions of 56 local registrars to assure statewide compliance with the statutory mandate for uniform application of registration laws, policies, and procedures.

Provides certified copies of birth, death, and fetal death certificates and processes certificate corrections, adoptions, legitimations, and delayed birth certificates.

Prepares and maintains computer files of State birth, death, fetal death, induced abortion, marriage, marital termination (divorce) data and monitors these files for data quality.

Builds and continues cooperative relationships with federal, state, and local agencies—including the National Center for Health Statistics—that collect, maintain, and use vital records and health statistics.

Provides statistical data tabulations and analyses in support of health policy development, status assessment, and service assurance.

The Honorable Judy Martz
Governor of Montana

Gail Gray, Ed.D.
Director
Montana Department of Public Health and Human Services

December 2004

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INTRODUCTION

This report was prepared by the Office of Vital Statistics (OVS) of the Montana Department of Public Health and Human Services (DPHHS). The following organizations also provided information: The Montana Central Tumor Registry (MCTR) of DPHHS, the Montana Communicable Disease Program, also of DPHHS, and the Census and Economic Information Center of the Montana Department of Commerce. The report provides a reference to some of the more frequently used Montana vital and health statistics. Because it is intended primarily for reference, there is limited analysis and interpretation of the data. This report, and several additional tabulations, are available on the Montana Vital Statistics website: http://www.dphhs.mt.gov/divisions/otd/vital/statistical_tables.htm. More detailed tabulations and analyses are available on request, as time and other resources permit.

A general discussion of the findings, with descriptive figures, appears on pages 44 through 94. Vital statistics reference tables for 2003 appear on pages 03-1 through 03-80. Where space permits, data for one or more prior years are provided for comparison. A "List of Reference Tables"--starting on page 03-iii, approximately halfway through this publication--describes each of the reference tables by its contents and location. This naming scheme is described below.

Letter	Contents of Reference Table
S	selected (mixed record type) statistics
P	population statistics
B	live birth statistics
D	death statistics
F	fetal death statistics
A	induced abortion statistics
M	marriage statistics
MT	marital termination (divorce) statistics
C	cancer incidence statistics
R	reportable (communicable) disease statistics

Records collected by the OVS provide the majority of data for these statistics and tabulations. These records include certificates of birth, death, and fetal death and transcripts of information on marriage, marital termination, and legally induced abortions. Any other source of data--such as the U.S. Bureau of the Census, the Montana Central Tumor Registry, or the Communicable Disease Program of DPHHS--is cited in the text or table where the data are used.

VITAL REGISTRATION AND DATA COLLECTION

Registration of births, deaths, and fetal deaths is a legal requirement. Birth certificates must be filed with the local registrar within ten days of the event. The attending physician, midwife, or parent must file the certificate in the county in which the birth occurred. Most births occurring in Montana are registered electronically, as are many of the deaths. Funeral directors or others in charge of disposition of the body are responsible for filing death or fetal death certificates. The certificates must be filed with the county's local registrar no later than ten days after the date the death is discovered. A fetal death certificate must be filed when the fetus weighed 350 grams or more or, if the weight is unknown, when the period of gestation was determined to be 20 weeks or more.

Montana vital statistics law makes marriage and marital termination reportable events. Before the tenth day of each month, the clerk of district court must report all marriages that have occurred, been dissolved, or been invalidated in the county during the preceding month. The Abortion Control Act makes any induced abortion occurring in Montana a reportable event. Facilities performing induced abortions are responsible for reporting within 30 days.

Original certificates of birth, death, and fetal death, and reports of induced abortion, marriage, and some marital terminations, are forwarded to OVS. Birth, death and fetal death certificates are permanently filed with and maintained by the OVS. The office maintains electronic records of all events in Montana's Vital Statistics System.

With the exception of reports of marital termination, which since October 1998 have been collected and edited by the Justice Case Management System (JCMS) and forwarded electronically to this office, OVS staff check all records and reports for accuracy and completeness and code them for data entry. Those data that are not received electronically are key-entered and maintained in electronic files. Vital records files contain the legal portions of the certificates and reports. Vital statistics files contain statistical information without identification of individuals.

The OVS designs vital certificate and report forms to meet all legal registration and reporting requirements and to provide statistical data to federal, state, and local government agencies, modifying these forms as information requirements change. The following statistical data on these vital events are available for analysis:

NATALITY (1989-2003)

- Date, hour, and place of birth.
- Age, race, ancestry, education, and birthplace of the parents; place of residence and marital status of the mother.
- Pregnancy history, including number of prior pregnancies, date and results of last prior pregnancy; date of last normal menses; month in which prenatal care began and number of prenatal visits; medical risk factors of the mother during the pregnancy; tobacco and alcohol use, and weight gain.
- Birth process (including whether the mother was transferred to the hospital), obstetric procedures, complications of labor and delivery, method of delivery, and clinical estimate of gestation.
- Infant's sex, plurality, birth order, birthweight, and APGAR scores; the prophylactic used in the infant's eyes; reported abnormalities and congenital anomalies of the newborn; whether the infant was transferred to another hospital.

MORTALITY (1989-2003)

- Date, hour, and place of death.
- Decedent's age at death, sex, race, ancestry, education, marital status, birthplace, and place of residence.

- Underlying cause of death; whether an autopsy was performed and, if so, whether results were available when cause of death was determined; if death resulted from an external cause (accident, suicide, or homicide), the circumstances of the injury, including whether it was sustained at work. If death resulted from an injury at work, the industry in which the decedent was employed is recorded. Tobacco use as a contributing cause and pregnancy at or near the time of death (2003 and forward only)

FETAL MORTALITY (1989-2003)

- Date, hour, and place of delivery.

- Age, race, ancestry, and education, of parents; place of residence and marital status of the mother.

- Cause of fetal death; the sex, weight, plurality, birth order, and any anomalies or abnormal conditions of the fetus.

- Significant conditions of the mother, including number of prior pregnancies, date and result of last prior pregnancy; date of last normal menses; month in which prenatal care began; number of prenatal visits; maternal risk factors during the pregnancy--medical conditions, tobacco and alcohol use, and weight gain; clinical estimate of gestation; obstetric procedures; complications of labor and delivery; method of delivery.

MARRIAGE (1993-2003)

- Date and place of license issuance; date and place of marriage.

- Age, race, education, birthplace, and residence of the bride and groom.

- Previous marital history, including number of prior marriages and reason for termination of the most recent prior marriage (death or divorce), if applicable.

MARITAL TERMINATION (1993-2003)

- Date and place of decree; type of termination (dissolution or invalid marriage); legal grounds for invalid marriage; whether the marriage was terminated in tribal or district court.

- Age, race, education, birthplace, and residence of wife and husband.

- Number of this marriage; reason for termination of the most recent prior marriage for each party; date the couple last lived in the same household; length of marriage; and petitioner.

- Number of children born alive of this marriage; number of children under 18 years of age in the household; number of children whose custody was awarded to the wife, husband, both, or another party.

INDUCED ABORTION (1989-2003)

- Date and place of procedure.
- Age, ancestry, race, education, marital status, birth date, and county of residence of patient.
- Pregnancy history, including date of last normal menses, clinical estimate of gestation, and number and result of prior pregnancies.
- Primary procedure that terminated pregnancy, additional procedures used, and resulting complications.

TECHNICAL OVERVIEW

DATA SOURCES AND LIMITATIONS

DELAY IN REPORTING

This report includes vital records and transcripts for calendar year 2003 received before July 15, 2004. The number of records received after this latter date is small, and since the use of this "cut off" date is fairly consistent from year to year, the effect of omitted data on trends and patterns is likely to be minimal.

GEOGRAPHIC ALLOCATION

Table titles or footnotes indicate whether Vital Statistics are shown by place of residence or place of occurrence. For example, if a resident of Florida is killed in an automobile accident in Montana, the death is counted as a Montana occurrence but is included in Florida's residence statistics. Births, deaths, and fetal deaths may be tabulated either way. For deaths, the place of residence is the usual state and county of residence of the decedent. For births, the place of residence of the child is the usual state and county of residence of the mother. Place of residence, when reported for fetal deaths, is that of the mother.

Residence data for births, deaths, and fetal deaths occurring out-of-state are available because of a cooperative, interstate transcript-exchange agreement. All states and the provinces of Canada participate in this agreement under the auspices of the National Association for Public Health Statistics and Information Systems. Interstate data on induced abortions are not available for all states, so all tabulations of abortion data except those in **Table S-8** are by Montana occurrence. The resident abortion statistics in **Table S-8** are incomplete because only in-state occurrences to Montana residents are tabulated.

While we can determine most of the nonresidents marrying in Montana, we do not know how many Montana residents marry outside of the state, nor do we know of residency changes associated with marital terminations. No exchange agreement is in effect for marriages or marital terminations. These tabulations are thus only by Montana occurrence. Data on marital terminations are limited to Montana decrees involving at least one Montana resident and are tabulated as occurrences by the Montana county in which the decree was issued.

CAUSE OF DEATH CERTIFICATION

The medical certification section of the Montana Death Certificate asks for information on the causal and chronological sequence of events leading to death. The attending physician or coroner completes this section of the death certificate. It consists of two parts. Part I is used for reporting the conditions leading directly to death and, for each, the interval between onset of the conditions and death. Part II is for reporting any important diseases or conditions that influenced the course of the illness or trauma unfavorably, thus contributing to the fatal outcome, but that were not related to the immediate cause of death. For example, a medical certification might read as follows:

Part I. Death was caused by:			Duration
Immediate cause	Due to	(a) *postoperative bronchial pneumonia*	*3 days*
	Due to	(b) *lobectomy*	*1 week*
Underlying cause	Due to	(c) *primary cancer of lung*	*1 year*

Part II. Other significant conditions
Hypertensive cardiovascular disease

The causes of death in this report represent the underlying causes derived from the information provided on Parts I and II. In the above example, the underlying cause would be lung cancer. Each condition or cause reported on death certificates is classified according to the International Statistical Classification of Diseases, Injuries, and Related Health Problems, Tenth Revision, World Health Organization, Geneva, 1992 (ICD-10). The nosologist, the person responsible for coding cause of death, develops an underlying cause using ICD-10 codes and coding procedures developed for nationwide use by the National Center for Health Statistics (NCHS) of the Centers for Disease Control and Prevention (CDC), Public Health Services, U.S. Department of Health and Human Services. The ICD-10 code for the death in the illustration above would be C34.9, "malignant neoplasm of bronchus or lung, area or lobe unspecified."

When the underlying cause is a traumatic injury, poisoning, or other adverse effects, this report shows tabulations of deaths according to the nature of the event that led to fatal injury, poisoning, or adverse effect rather than the nature of the event's consequences.

Whenever possible, deaths are classified by the underlying cause reported. Exceptions occur when the underlying cause is not apparent from the certificate and clarification is not available. In these instances, the probable underlying cause is determined using a system of rules developed by NCHS.

MARRIAGE AND MARITAL TERMINATION

Reliance on national marriage and marital termination statistics is limited by differences in data collection and data availability at or below the state level. Marriage, marital termination and residency are defined by the laws of each state. The minimum age for marriage, marriage license requirements, residency requirements for marital termination, acceptable grounds for such termination, and minimum period between marriage and marital termination vary from state to state. These differences can affect the comparability of data from state to state.

Data aggregation is also affected by how data are collected and reported. For most states, including Montana, frequency of marriage is based on marriages performed. For New Mexico, New York City, and some counties of Arizona, data represent licenses issued.

POPULATION ESTIMATES

All rates per 1,000 or per 100,000 population in this report are based on population data provided by the U. S. Bureau of the Census (Census Bureau). For intercensal years (all years not ending with 0"), the Census Bureau uses the Tax Return method (formerly, the Administrative Records Method) to arrive at population "estimates." This method includes the use of Vital (birth and death) Records. These estimates refer to the resident population on July 1st of the year indicated. Population data for census years are known as "enumerations," and refer to the resident population on April 15th of the year indicated. The Census Bureau arrives at enumerations without the use of Vital Records. Both estimates and enumerations are used to derive the population-based mortality and natality rates.

In recent years, OVS has relied on a special series of annual Census Bureau and/or NCHS population estimates stratified by age and sex to derive statewide fertility rates, abortion rates, and age-specific and age-adjusted mortality rates. OVS uses the latest available updates of these population estimates for such calculations.

RACE

Tabulation of vital events by race is imprecise for several reasons. First, it is difficult to identify a single or predominant race when persons are of mixed ancestry, as is the case for many U.S. citizens. A second difficulty with tabulations by race is that the category assignment is based on the opinion of the informant. As such, it likely does not reflect the same definitions of racial groups from one record to the next.

There are two other areas where racial classifications may lack precision: the "Hispanic" ancestry designation and the grouping of responses into an "Other" category. Hispanic ancestry is reported separately from race. Thus, it may apply to any racial category including "White" and "Native American." The proportion of persons in Montana reported as being of Hispanic ancestry is so small, however, that creating racial categories based on combined racial and Hispanic classifications is unlikely to yield any useful information.

The "Other" category is made up of all individuals not classified in the identified group(s) shown in that table. Those for whom race is not reported are therefore included in the "Other" category in these reference tables, as are those classified as multi-racial. According to the 2000 Census, more than 90% of Montana's population at the time considered itself white, while indicating no other racial classification. More than 92% of the population considered itself white in combination with some other racial classification, such as African American or American Indian (Native American). Thus, classifying persons of unknown race as "Other" could introduce an unknown, probably slight, bias into statistics calculated from the data in these tables.

In order to comply with federal guidelines, Montana death records now record multiple races for each decedent. (Similar changes are planned for certificates of live birth and fetal death in the future.) Informants providing information for Montana death records have, for many years, been asked to identify the race of the decedent, but in the past few chose to characterize decedents as bi- or multi-racial. Beginning in 2003, informants were asked whether the decedent belonged to one or more of 14 specific racial groups or any other unnamed race. Informants were encouraged to "check one or more races to indicate what the decedent considers himself or herself to be." They were also encouraged to identify any ethnic group or tribal affiliation that applied. This new format for collecting information has resulted in a notable increase in the number of decedents with more than one race reported. OVS examined each of the death records in 2003 for a decedent's affiliation with a known American Indian tribe and classified any record with such an affiliation as Native American (along with any other race identified). Records were then examined for the number of racial groups identified. Any records indicating more than a single race were classified as multi-racial. While the bi-racial or multi-racial category had never constituted more than seven hundredths of a percent of all decedents in any of the twenty preceding years, the multi-racial (two or more) category accounted for nearly nine and four tenths percent of the Montana residents who died in 2003.

For births and fetal deaths, the race of the infant or fetus is defined as the reported race of the mother. This uniformity in definition allows Montana statistics to be compared to U.S., regional, and national statistics.

MARITAL STATUS

Mother's marital status is designated "Married" on the birth record if the mother is shown on the birth certificate as married "at birth, conception or any time in between." "Unmarried" indicates that the mother was not married at any time during the pregnancy.

Marital status for death and abortion records is "Married or Separated," "Divorced," "Widowed," or "Single" as described by the informant. The "Divorced" designation on such records includes both marital dissolutions (formerly called divorces) and invalid marriages (formerly called annulments).

LIMITATIONS OF SMALL NUMBERS

The occurrence of vital events is subject to chance variation. For example, a birth at 11:59 P.M. on December 31 would be counted in one year. If the infant had been born two minutes later at 12:01 A.M., the birth would be counted in the following year. This phenomenon is not of great importance for states or counties with substantial populations, since the relative number of births is not greatly affected by one event. However, for Montana counties, with their relatively small populations, the occurrence of an event in one year rather than the next could change the pattern of events and might lead to mistaken conclusions about trends in the county's birth rate.

When the number of events is displayed, the occurrence of small numbers is obvious. When rates or percentages are based on small numbers of events, that fact may not be immediately apparent. Rates or trends based on small numbers, perhaps less than 100, must be interpreted with caution. Meaningful conclusions cannot be drawn based on frequencies of less than five. This report provides the frequency and rate in all tables where rates based on small numbers of events may appear so the reader can gage the reliability of these rates for themselves.

Similarly, percentages based on small totals can be misleading. For example, if there were ten births in a county and three of the new mothers were 18 or 19 years of age, the distribution of births by mother's age would show that 30% of the county's births were to teenagers. While accurate, this statistic is probably of limited value for making policy.

Tabulating occurrences of an event over a period of several years may reduce the impact of chance variability in rates or percentages based on small numbers. An example is the five-year infant mortality rate shown in **Table D-8** or the five-year "rolling" rates displayed in **Figure 16**. However, the OVS has limited the use of multi-year rates in this report because such rates can conceal changes in trends that take place during the multi-year period.

DATA TABULATION AND PRESENTATION

GEOGRAPHIC TABULATION

Birth, death, fetal death, and induced abortion data are tabulated for Montana residents by place of residence and for all vital events occurring in Montana by place of occurrence. All occurrence statistics include events that occurred in Montana to residents of other states. Births, deaths, and fetal deaths that occurred out-of-state to Montana residents are included under resident statistics. Resident statistics on induced abortions include only in-state occurrences.

CAUSE OF DEATH AND CONVERSION TO ICD-10

Periodically, the system used for the classification of diseases and causes of death is revised. Beginning with mortality data for 1999, OVS is now reporting underlying cause of death information captured and categorized by ICD-10, the tenth and latest revision of this system for classification.

The discussion and tables in this report refer to the underlying cause-of-death, grouped into named diseases and conditions. These are groupings that the World Health Organization (WHO), NCHS, and most public health professionals use. In many cases, the ICD-10 and ICD-9 codes are listed in the table along with the condition or disease name; however, some tables show only the name.

Figure 1 shows how ICD-10 codes are grouped into cause-of-death conditions and diseases for many of the causes of death tabulated and discussed in this report, as well categories frequently reported as "leading" causes of death. Corresponding ICD-9 codes are shown, as well as preliminary "comparability ratios" computed by NCHS.

Each new version of the ICD code introduces new categories, titles, groupings of disease, and coding rules in an effort to keep pace with the needs of medical and public health research. However, each new version introduces problems with the comparability of mortality data classified with different versions of the code. Past revisions of ICD have revealed discontinuities in statistical trends that can be attributed to changes in coding and classification procedures alone.

NCHS attempts to quantify the effects of ICD revisions through double coding of death records (i.e. coding underlying cause of death on each record using both the old and new versions of ICD) and comparing the frequencies produced by the two coding schemes. For each category of interest, a ratio of the number of deaths classified in the latest version to that classified in the previous version is calculated. Such "comparability ratios" provide estimates of the change attributed to the revision alone and help distinguish "coding changes" from "real changes," (i.e. changes in the underlying forces of mortality in the population). The comparability ratios shown in **Figure 1** represent some preliminary results from a very large nonrandom sample of death records (more than 1.8 million) from 50 states and the District of Columbia, about 80 percent of all resident deaths occurring in the U.S. in 1996. These ratios are presented to indicate the approximate order of magnitude of expected changes in coding for underlying cause of death. They should not be expected to apply precisely to Montana's death experience in the current data year or that of any other particular geographic location at any other time.

For example, the comparability ratio for "nephritis, nephrotic syndrome, and nephrosis", 1.2320, indicates we might expect to see an increase of roughly one quarter in the number of deaths due to this cause solely because of the change from ICD-9 to ICD-10. The comparability ratio for pneumonia and influenza, 0.6982, indicates that the observed number of deaths due to that cause will probably be reduced by about 30% because of the coding change. The comparability ratio for Alzheimer's Disease of 1.5536 means we can expect approximately half again as many such classifications. Such effects must be taken into account when interpreting trends in mortality if one is to isolate the underlying forces of mortality that public health programs seek to affect.

Such changes in the frequencies of death for various causes are reflected in crude and age-adjusted rates of death for specific causes of death. For example, trends in the age-adjusted death rates for several causes of death shown in this report show marked discontinuities between rates collected before 1999 using ICD-9 and those collected during and after 1999 using ICD-10. (See the discussion and display of "Age-specific and age-adjusted death rates" in the Mortality section of the narrative.

Among other notable changes is the elimination of the ICD-9 category "chronic obstructive pulmonary diseases" (COPD), which has been replaced by the ICD-10 category "chronic lower respiratory diseases" (CLRD). The categories differ in that CLRD does not contain those causes of death in ICD-9 rubric 495. These causes include "extrinsic allergic alveolitis," i.e. allergic alveolitis and pneumonitis due to inhaled organic dust.

Also, ICD-10 removes "misadventures to patients in surgical or medical care" (ICD-9: 870 - 876), "surgical and medical procedures causing reaction," (ICD-9: 878 - 879), and "drugs causing adverse effects in therapeutic use " (ICD-9: 930 - 949) from the "accidents" category and places them in a new category called "complications of medical and surgical care."

The ICD-9 category "homicide and legal intervention," which was reportable as a leading cause of death, was replaced by "assault" which no longer contains "legal intervention" (ICD-9: 970 - 978) but still contains "homicide" (ICD-9: 960 - 969).

Figures 2, 3, 4, and 5 show ICD-10 code ranges for cause-of-death categories displayed in **Tables D-1, D-2, D-7, and F-1,** respectively. **Table D-1** lists up to 358 causes of death commonly listed by NCHS. **Table D-2** shows up to 113 causes of death commonly listed. Some of these 113 causes are used for ranking leading causes of death. Those categories preceded by a pound sign (#) are eligible for ranking as a leading cause of death. **Table D-7** lists up to 130 causes of infant death. Again, those categories preceded by a pound sign are eligible for ranking as a leading cause of death. **Table F-1** lists up to 124 causes of fetal death.

Figure 1

CLASSIFICATION CODES (ICD-10 AND ICD-9) AND COMPARABILITY RATIOS FOR SELECTED UNDERLYING CAUSES OF DEATH

Underlying Cause of Death	ICD-10 Code (s)	ICD-9 Code (s)	Comparability Ratio
Tuberculosis	A16 - A19	010 - 018, 137	0.8547
Septicemia	A40 - A41	038	1.1949
Human Immunodeficiency Virus (HIV) Infection	B20 - B24	042 - 044	1.0637
Malignant Neoplasms (Cancer)	C00 -C97	140 - 208	1.0068
Diabetes Mellitus (Diabetes)	E10 - E14	250	1.0082
Alzheimer's Disease	G30	331.0	1.5536
Diseases of Heart	I00 - I09, I11, I13, I20 - I51	390 - 398, 402, 404, 410 - 429	0.9858
Cerebrovascular Disease	I60 - I69	430 - 434, 436 - 438	1.0588
Atherosclerosis	I70	440	0.9637
Pneumonia and Influenza	J10 - J18	480 - 487	0.6982
Chronic Obstructive Pulmonary Diseases	N/A	490 - 496	N/A
Chronic Lower Respiratory Diseases	J40 - J47	490 - 494, 496	1.0478
Diseases of Appendix	K35 - K38	540 - 543	1.0347
Chronic Liver Disease and Cirrhosis	K70, K73 - K74	571	1.0367
Nephritis, Nephrotic Syndrome, and Nephrosis	N00 - N07, N17 – N19, N25 - N27	580 - 589	1.2320
Certain Conditions Originating in the Perinatal Period	P00 - P96	760 - 771.2, 771.4 - 779	1.0658
Congenital Malformations, Deformations, and Chromosomal Anomalies	Q00 - Q99	740 - 759	0.8470
Sudden Infant Death Syndrome (SIDS)	R95	798.0	1.0362
Accidents	V01 - X59, Y85 – Y86	E800 - E869, E880 - E929	1.0305
Motor Vehicle Accidents	V02 - V04, V09.0, V09.2, V12 - V14, V19.0 - V19.2, V19.4 - V19.6, V20 -V79, V80.3 - V80.5, V81.0 - V81.1, V82.0 - V82.1, V83 - V86, V87.0 - V87.8, V88.0 - V88.8, V89.0, V89.2	E810 - E825	0.8527
Non-Motor Vehicle Accidents	V01, V05 - V08, V09.1, V09.3 - V11, V15 - V18, V19.3, V19.7 - V19.9, V80.1 -V80.2, V80.6 - V80.9, V81.2 - V81.9, V82.2 - V82.9, V87.9, V88.9, V89.3 - X59.9, Y85 - Y86	E800 - E807, E826 -E929	1.1134
Intentional Self-Harm (Suicide)	X60 - X84, Y87.0	E950 - E959	0.9962
Assault (Homicide)	X85 - Y09, Y87.1	E960 - E969	0.9983
Complications of Medical and Surgical Care	Y40 - Y84, Y88	E870 - E879, E930 - E949	NA

NA Not available.
N/A The category, chronic obstructive pulmonary diseases, is not used in ICD-10 and is therefore not applicable.

Figure 2

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 358 SELECTED CAUSES OF DEATH

UNDERLYING CAUSE OF DEATH	ICD–10 CODE(S)
All causes	
I Certain infectious and parasitic diseases	**A00-B99**
Intestinal infectious diseases	A00-A09
1 Cholera	A00
Other intestinal infectious diseases	A01-A08
2 Typhoid fever	A01.0
3 Paratyphoid fevers and other salmonella infections	A01.1-A01.4, A02
4 Shigellosis	A03
5 Other bacterial food-borne intoxications	A05
6 Amebiasis	A06
7 Intestinal infections due to other specified organisms	A04, A07-A08
8 Diarrhea and gastroenteritis of presumed infectious origin	A09
Tuberculosis	A16-A19
9 Respiratory tuberculosis	A16
10 Other tuberculosis	A17-A19
Zoonotic and other bacterial diseases	A20-A49
11 Plague	A20
12 Brucellosis	A23
13 Tetanus	A33-A35
14 Diphtheria	A36
15 Whooping cough	A37
16 Scarlet fever and erysipelas	A38, A46
17 Meningococcal infection	A39
18 Septicemia	A40-A41
19 Other zoonotic and bacterial diseases	A21-A22, A24-A32, A42-A44, A48-A49
Infections with a predominately sexual mode of transmission	A50-A64
Syphilis	A50-A53
20 Cardiovascular syphilis	A52.0
21 Neurosyphilis	A52.1-A52.3
22 Other and unspecified syphilis	A50-A51, A52.7-A52.9, A53
23 Gonococcal infection	A54
24 Other infections with a predominately sexual mode of transmission	A55-A64
Other infections caused by spirochetes, chlamydia or rickettsia	A65-A79
25 Lyme disease	A69.2
26 Typhus fever	A75
27 All other infections caused by spirochetes, chlamydia or rickettsia	A65-A68, A69.0-A69.1, A69.8-A69.9, A70-A74, A77-A79
Viral diseases	A80-B34
28 Acute poliomyelitis	A80
29 Rabies	A82
30 Arthropod-borne viral encephalitis	A83-A84, A85.2
31 Yellow fever	A95
32 Other and unspecified arthropod-borne viral and hemorrhagic fevers	A90-A94, A96-A99
33 Herpesviral (herpes simplex) infections	B00

Figure 2 (CONTINUED)

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 358 SELECTED CAUSES OF DEATH

UNDERLYING CAUSE OF DEATH	ICD–10 CODE(S)
34 Zoster (herpes zoster)	B02
35 Smallpox	B03
36 Measles	B05
37 Rubella (German measles)	B06
38 Viral hepatitis	B15-B19
Human immunodeficiency virus (HIV) disease	B20-B24
39 Human immunodeficiency virus (HIV) disease resulting in infectious and parasitic diseases	B20
40 Human immunodeficiency virus (HIV) disease resulting in malignant neoplasms	B21
41 Human immunodeficiency virus (HIV) disease resulting in other specified diseases	B22
42 Human immunodeficiency virus (HIV) disease resulting in other conditions	B23
43 Unspecified human immunodeficiency virus (HIV) disease	B24
44 All other and unspecified viral diseases	A81 ,A85.0-A85.1, A85.8, A86-A89, B01, B04, B07-B09, B25-B34
Other and unspecified infectious and parasitic diseases and their sequelae	B35-B99
45 Mycoses	B35-B49
Protozoal diseases	B50-B64
46 Malaria	B50-B54
47 Leishmaniasis	B55
48 Trypanosomiasis	B56-B57
49 Pneumocystosis	B59
50 Other and unspecified protozoal diseases	B58,B60-B64
Helminthiases	B65-B83
51 Schistosomiasis (bilharziasis)	B65
52 Other and unspecified helminthiases	B66-B83
53 Sequelae of tuberculosis	B90
54 Sequelae of poliomyelitis	B91
55 All other and unspecified infectious and parasitic diseases and their sequelae	B85-B89, B92-B99
II Neoplasms	**C00-D48**
Malignant neoplasms	C00-C97
Malignant neoplasms of lip, oral cavity and pharynx	C00-C14
56 Of lip	C00
57 Of tongue	C01-C02
58 Of pharynx	C10-C13, C14.0
59 Of other and unspecified sites within the lip, oral cavity and pharynx	C03-C09, C14.2-C14.8
Malignant neoplasms of digestive organs	C15-C26
60 Of esophagus	C15
61 Of stomach	C16
62 Of small intestine	C17
Of colon, rectum and anus	C18-C21
63 Colon	C18

Figure 2 (CONTINUED)

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 358 SELECTED CAUSES OF DEATH

UNDERLYING CAUSE OF DEATH	ICD–10 CODE(S)
64 Rectosigmoid junction and rectum	C19-C20
65 Anus and anal canal	C21
Of liver and intrahepatic bile ducts	C22
66 Liver	C22.0, C22.2-C22.9
67 Intrahepatic bile duct carcinoma	C22.1
68 Of gallbladder and extrahepatic bile ducts	C23-C24
69 Of pancreas	C25
70 Of other and ill-defined digestive organs	C26
Malignant neoplasms of respiratory and intrathoracic organs	C30-C39
71 Of nasal cavity, middle ear and accessory sinuses	C30-C31
72 Of larynx	C32
73 Of trachea, bronchus and lung	C33-C34
74 Of thymus, heart, mediastinum and pleura	C37-C38
75 Of other and ill-defined sites in respiratory system and intrathoracic organs	C39
76 Malignant neoplasms of bone and articular cartilage	C40-C41
Melanoma and other malignant neoplasms of skin	C43-C44
77 Malignant melanoma of skin	C43
78 Other malignant neoplasms of skin	C44
Malignant neoplasms of mesothelial and soft tissue	C45-C49
79 Mesothelioma	C45
80 Kaposi's sarcoma	C46
81 Of other mesothelial and soft tissue	C47-C49
82 Malignant neoplasm of breast	C50
Malignant neoplasms of female genital organs	C51-C58
83 Of vulva and vagina	C51-C52
84 Of cervix uteri	C53
85 Of corpus uteri and uterus, part unspecified	C54-C55
86 Of ovary	C56
87 Of other and unspecified female genital organs	C57
88 Of placenta	C58
Malignant neoplasms of male genital organs	C60-C63
89 Of prostate	C61
90 Of testis	C62
91 Of penis and other and unspecified male genital organs	C60, C63
Malignant neoplasms of urinary tract	C64-C68
92 Of kidney and renal pelvis	C64-C65
93 Of bladder	C67
94 Of other and unspecified sites within the urinary tract	C66, C68
95 Malignant neoplasm of eye and adnexa	C69

Figure 2 (CONTINUED)

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 358 SELECTED CAUSES OF DEATH

UNDERLYING CAUSE OF DEATH	ICD–10 CODE(S)
Malignant neoplasms of meninges, brain and other parts of central nervous system	C70-C72
96 Of brain	C71
97 Of other parts of central nervous system	C70, C72
98 Malignant neoplasms of thyroid and other endocrine glands	C73-C75
99 Other malignant neoplasms of other and unspecified sites	C76-C80, C97
Malignant neoplasms of lymphoid, hematopoietic and related tissue	C81-C96
100 Hodgkin's disease	C81
Of other lymphoid, hematopoietic and related tissue	C82-C85, C96
101 Non-Hodgkin's lymphoma	C82-C85
102 Of other and unspecified lymphoid, hematopoietic and related tissue	C96
103 Malignant immunoproliferative diseases	C88
104 Multiple myeloma and malignant plasma cell neoplasms	C90
Leukemia	C91-C95
105 Lymphoid leukemia	C91
106 Myeloid leukemia	C92
107 Monocytic leukemia	C93
108 Other and unspecified leukemia	C94-C95
In situ neoplasms	D00-D09
109 Carcinoma in situ of breast and genitourinary system	D05-D07
110 Carcinoma in situ of other and unspecified sites	D00-D04, D09
Benign neoplasms	D10-D36
111 Of female genital organs	D25-D28
112 Of eye, brain and other parts of central nervous system	D31-D33
113 Of other and unspecified sites	D10-D24, D29-D30, D34-D36
114 Neoplasms of uncertain or unknown behavior of specified sites	D37-D47
115 Neoplasm of uncertain or unknown behavior of unspecified sites	D48
III Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism	**D50-D89**
Anemias	D50-D64
116 Nutritional anemias	D50-D53
117 Hemolytic anemias	D55-D59
118 Aplastic anemias	D60-D61
119 Acute posthemorrhagic and other anemias	D62, D64
120 Coagulation defects, purpura and other hemorrhagic conditions	D65-D69
121 Other diseases of blood and blood-forming organs	D70-D76
122 Certain disorders involving the immune mechanism	D80-D89
IV Endocrine, nutritional and metabolic diseases	**E00-E88**
Endocrine diseases	E00-E34
123 Disorders of thyroid gland	E00-E07
124 Diabetes mellitus	E10-E14
125 Disorders of pituitary gland	E22-E23
126 Disorders of adrenal glands	E24-E27
127 Diseases of thymus	E32
128 Other endocrine diseases	E15-E21, E28-E31, E34

Figure 2 (CONTINUED)

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 358 SELECTED CAUSES OF DEATH

UNDERLYING CAUSE OF DEATH	ICD–10 CODE(S)
Nutritional diseases	E40-E68
Malnutrition	E40-E46
129 Nutritional marasmus	E41
130 Other and unspecified malnutrition	E40, E42-E46
131 Other nutritional deficiencies	E50-E64
132 Obesity and other hyperalimentation	E65-E68
Metabolic disorders	E70-E88
133 Cystic fibrosis	E84
134 Volume depletion, disorders of fluid, electrolyte and acid-base balance	E86-E87
135 Other metabolic disorders	E70-E83, E85, E88
V Mental and behavioral disorders	**F01-F99**
136 Organic dementia	F01, F03
137 Other and unspecified organic mental disorders	F04-F09
Mental and behavioral disorders due to psychoactive substance use	F10-F19
138 Mental and behavioral disorders due to use of alcohol	F10
139 Mental and behavioral disorders due to other psychoactive substance use	F11-F19
140 Schizophrenia, schizotypal and delusional disorders	F20-F29
141 Mood (affective) disorders	F30-F39
142 Neurotic, stress-related and somatoform disorders	F40-F48
143 Mental retardation	F70-F79
144 Other and unspecified mental and behavioral disorders	F50-F69, F80-F99
VI Diseases of the nervous system	**G00-G98**
145 Meningitis	G00, G03
146 Other inflammatory diseases of central nervous system	G04-G09
147 Parkinson's disease	G20-G21
148 Alzheimer's disease	G30
149 Multiple sclerosis	G35
150 Epilepsy	G40-G41
151 Transient cerebral ischemic attacks and related syndromes	G45
152 Infantile cerebral palsy	G80
153 All other diseases of nervous system	G10-G12, G23-G25, G31, G36-G37, G43-G44, G47-G72, G81-G98
154 **VII Diseases of the eye and adnexa**	**H00-H57**
155 **VIII Diseases of the ear and mastoid process**	**H60-H93**
156 Acute rheumatic fever	I00-I02
Chronic rheumatic heart diseases	I05-I09
157 Rheumatic mitral valve diseases	I05
158 Rheumatic aortic valve diseases	I06
159 Disorders of both mitral and aortic valves	I08.0
160 Other chronic rheumatic heart diseases	I07, I08.1-I08.9, I09
Hypertensive diseases	I10-I13
161 Essential (primary) hypertension	I10
162 Hypertensive heart disease	I11
163 Hypertensive renal disease	I12

Figure 2 (CONTINUED)

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 358 SELECTED CAUSES OF DEATH

UNDERLYING CAUSE OF DEATH	ICD–10 CODE(S)
164 Hypertensive heart and renal disease	I13
Ischemic heart diseases	I20-I25
165 Acute myocardial infarction	I21-I22
166 Other acute ischemic heart diseases	I24
Other forms of chronic ischemic heart disease	I20, I25
167 Atherosclerotic cardiovascular disease, so described	I25.0
168 All other forms of chronic ischemic heart disease	I20, I25.1-I25.9
Other heart diseases	I26-I51
Pulmonary heart disease and diseases of pulmonary circulation	I26-I28
169 Pulmonary embolism	I26
170 Other pulmonary heart disease and diseases of pulmonary circulation	I27-I28
Other non-pulmonary forms of heart disease	I30-I51
171 Acute and subacute endocarditis	I33
172 Diseases of pericardium and acute myocarditis	I30-I31, I40
Other diseases of endocardium	I34-I38
173 Nonrheumatic mitral valve disorders	I34
174 Nonrheumatic aortic valve disorders	I35
175 All other diseases of endocardium	I36-I38
176 Cardiomyopathy	I42
177 Conduction disorders and cardiac dysrhythmias	I44-I49
Heart failure	I50
178 Congestive heart failure	I50.0
179 Other and unspecified heart failure	I50.1-I50.9
180 Myocarditis, unspecified and myocardial degeneration	I51.4-I51.5
181 All other and ill-defined forms of heart disease	I51.0-I51.3, I51.6-I51.9
Cerebrovascular diseases	I60-I69
182 Subarachnoid hemorrhage	I60
183 Intracerebral and other intracranial hemorrhage	I61-I62
184 Cerebral infarction	I63
185 Stroke, not specified as hemorrhage or infarction	I64
186 Other cerebrovascular diseases and their sequelae	I67, I69
Diseases of arteries, arterioles and capillaries	I70-I78
187 Atherosclerosis	I70
188 Aortic aneurysm and dissection	I71
189 Other diseases of arteries, arterioles and capillaries	I72-I78
Other disorders of circulatory system	I80-I99
190 Phlebitis, thrombophlebitis, venous embolism and thrombosis	I80-I82
191 All other and unspecified disorders of circulatory system	I83-I99
X Diseases of the respiratory system	**J00-J98**
Acute upper respiratory infections	J00-J06
192 Acute pharyngitis and tonsillitis	J02-J03
193 Acute laryngitis and tracheitis	J04
194 Other and unspecified acute upper respiratory infections	J00-J01, J05-J06
Other diseases of the respiratory system	J10-J98
195 Influenza	J10-J11
Pneumonia	J12-J18

Figure 2 (CONTINUED)

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 358 SELECTED CAUSES OF DEATH

UNDERLYING CAUSE OF DEATH	ICD–10 CODE(S)
196 Viral pneumonia, not elsewhere classified	J12
197 Bacterial pneumonia	J13-J15
198 Pneumonia due to other or unspecified organisms	J16, J18
Other acute lower respiratory infections	J20-J22
199 Acute bronchitis and bronchiolitis	J20-J21
200 Unspecified acute lower respiratory infection	J22
201 Other diseases of upper respiratory tract	J30-J39
Chronic lower respiratory diseases	J40-J47
Bronchitis, chronic and unspecified, emphysema and asthma	J40-J46
202 Bronchitis, not specified as acute or chronic	J40
203 Chronic bronchitis	J41-J42
204 Emphysema	J43
205 Other chronic obstructive pulmonary disease	J44
206 Asthma	J45-J46
207 Bronchiectasis	J47
Lung diseases due to external agents	J60-J70
208 Pneumoconioses and chemical effects	J60-J66, J68
Pneumonitis due to solids and liquids	J69
209 Pneumonitis due to food and vomit	J69.0
210 Other pneumonitis due to solids and liquids	J69.1-J69.8
211 Other lung diseases due to external agents	J67, J70
212 Suppurative and necrotic conditions of lower respiratory tract	J85-J86
213 Pleural effusion and plaque	J90, J92
214 All other diseases of respiratory system	J80-J84, J93-J98
XI Diseases of the digestive system	**K00-K92**
215 Diseases of oral cavity, salivary glands and jaws	K00-K14
Diseases of other parts of digestive system	K20-K92
216 Diseases of esophagus	K20-K22
Peptic ulcer	K25-K28
217 Gastric ulcer	K25
218 Duodenal ulcer	K26
219 Peptic ulcer, site unspecified	K27
220 Gastrojejunal ulcer	K28
221 Gastritis and duodenitis	K29
222 Dyspepsia and other diseases of stomach and duodenum	K30-K31
223 Diseases of appendix	K35-K38
224 Hernia	K40-K46
225 Crohn's disease and ulcerative colitis	K50-K51
226 Vascular disorders and obstruction of intestine without hernia	K55-K56
227 Diverticular disease of intestine	K57
228 Other diseases of intestines and peritoneum	K52, K58-K63
229 Diseases of peritoneum	K65-K66
Diseases of liver	K70-K76
230 Alcoholic liver disease	K70
231 Chronic hepatitis, not elsewhere classified	K73
232 Fibrosis and cirrhosis of liver	K74

Figure 2 (CONTINUED)

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 358 SELECTED CAUSES OF DEATH

UNDERLYING CAUSE OF DEATH	ICD–10 CODE(S)
233 Other diseases of liver	K71-K72, K75-K76
234 Cholelithiasis and other disorders of gallbladder	K80-K82
Disorders of biliary tract and pancreas	K83-K86
235 Pancreatitis	K85, K86.0-K86.1
236 Other disorders of biliary tract and pancreas	K83, K86.2-K86.9
237 All other diseases of digestive system	K90, K92
XII Diseases of the skin and subcutaneous tissue	**L00-L98**
238 Infections of skin and subcutaneous tissue	L00-L08
239 Other and unspecified diseases of skin and subcutaneous tissue	L10-L98
XIII Diseases of the musculoskeletal system and connectivetissue	**M00-M99**
240 Rheumatoid arthritis and related inflammatory polyarthropathies	M05-M08
241 Systemic lupus erythematosus	M32
242 Other arthropathies and related disorders	M00, M02, M10-M31, M33-M35
243 Dorsopathies	M40-M54
244 Soft tissue disorders	M60-M79
Osteopathies, chondropathies and other disorders of musculoskeletal system and connective tissue	M80-M99
245 Osteoporosis	M80-M81
246 Other osteopathies, chondropathies and disorders of musculoskeletal system and connective tissue	M83-M99
XIV Diseases of the genitourinary system	**N00-N98**
Diseases of urinary system	N00-N39
Glomerular and renal tubulo-interstitial diseases	N00-N15
Glomerular diseases	N00-N07
247 Acute and rapidly progressive nephritic syndrome	N00-N01
248 Nephrotic syndrome	N04
249 Other and unspecified glomerular diseases	N02-N03, N05-N07
250 Renal tubulo-interstitial diseases	N10-N15
251 Renal failure	N17-N19
252 Urolithiasis	N20-N23
253 Other and unspecified disorders of kidney	N25-N27
254 Urinary tract infection, site not specified	N39.0
255 Other diseases of urinary system	N28-N36, N39.1-N39.9
Diseases of male genital organs	N40-N50
256 Hyperplasia of prostate	N40
257 Other diseases of male genital organs	N41-N50
258 Disorders of breast	N60-N64
Disorders of female genital organs	N70-N98
259 Inflammatory diseases of female pelvic organs	N70-N76
260 Noninflammatory disorders of female genital tract	N80-N98
XV Pregnancy, childbirth and the puerperium	**O00-O99**
Pregnancy with abortive outcome	O00-O07
261 Ectopic pregnancy	O00
262 Spontaneous abortion	O03
263 Medical abortion	O04

Figure 2 (CONTINUED)

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 358 SELECTED CAUSES OF DEATH

UNDERLYING CAUSE OF DEATH	ICD–10 CODE(S)
264 Other abortion	O05
265 Other and unspecified pregnancy with abortive outcome	O01-O02, O06-O07
Other direct obstetric deaths	O10-O92
266 Eclampsia and pre-eclampsia	O11, O13-O16
267 Hemorrhage of pregnancy and childbirth and placenta previa	O20, O44-O46, O67, O72
Complications predominantly related to the puerperium	O85-O92
268 Obstetric embolism	O88
269 Other complications predominately related to the puerperium	O85-O87, O89-O92
270 All other direct obstetric causes	O10, O12, O21-O43, O47-O66, O68-O71, O73-O75
271 Obstetric death of unspecified cause	O95
272 Other deaths related to pregnancy, childbirth and the puerperium	O96-O97
273 Indirect obstetric deaths	O98-O99
XVI Certain conditions originating in the perinatal period	**P00-P96**
274 Newborn affected by maternal factors and by complications of pregnancy, labor and delivery	P00-P04
275 Disorders related to short gestation and low birth weight, not elsewhere classified	P07
276 Birth trauma	P10-P15
277 Intrauterine hypoxia and birth asphyxia	P20-P21
278 Respiratory distress of newborn	P22
279 Other respiratory conditions originating in the perinatal period	P23-P28
280 Infections specific to the perinatal period	P35-P39
281 Other and unspecified conditions originating in the perinatal period	P05, P08, P29, P50-P96
XVII Congenital malformations, deformations and chromosomal abnormalities	**Q00-Q99**
282 Anencephaly and similar malformations	Q00
283 Spina bifida	Q05
284 All other congenital malformations of nervous system	Q01-Q04, Q06-Q07
285 Congenital malformations of heart	Q20-Q24
286 Other congenital malformations of circulatory system	Q25-Q28
287 Congenital malformations of respiratory system	Q30-Q34
288 Other congenital malformations and deformations	Q10-Q18, Q35-Q89
289 Down's syndrome	Q90
290 All other chromosomal abnormalities, not elsewhere classified	Q91-Q99
XVIII Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	**R00-R99**
291 Senility	R54
Ill-defined and unknown causes of mortality	R95-R99
292 Sudden infant death syndrome	R95
293 Other ill-defined and unknown causes of mortality	R96-R99
294 All other symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	R00-R53, R55-R94
XX External causes of mortality	**V01-Y89**
Accidents	V01-X59, Y85-Y86
Transport accidents	V01-V99, Y85

Figure 2 (CONTINUED)

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 358 SELECTED CAUSES OF DEATH

UNDERLYING CAUSE OF DEATH	ICD–10 CODE(S)
295 Railway accidents	V05, V15, V80.6, V81.2-V81.9
Motor vehicle accidents	V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1,V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0, V89.2
296 Pedestrian involved in collision with motor vehicle	V02-V04
297 Pedalcyclist involved in collision with motor vehicle	V12-V14, V19.0-V19.2, V19.4-V19.6
298 Motorcyclist involved in any accident except collision with railway train	V20-V24, V26-V34,V36-V39
Motor vehicle accident involving collision with railway train	V25, V35, V45, V55, V65, V75, V81.0-V81.1, V87.6, V88.6
299 Motorcyclist involved in collision with railway train	V25, V35
300 Other motor vehicle accident involving collision with railway train	V45, V55, V65, V75, V81.0-V81.1, V87.6, V88.6
301 Occupant of motor vehicle involved in collision with other (non-motorized) road vehicle, streetcar, animal or pedestrian	V40-V41, V46-V47, V50-V51, V56-V57, V60-V61, V66-67, V70-V71, V76-V77
302 Occupant of car, pickup truck or van involved in collision with other motor vehicle	V42-V44, V49, V52-V54, V59
303 Occupant of heavy transport vehicle or bus involved in collision with other motor vehicle	V62-V64, V69, V72-V74, V79
304 Occupant of motor vehicle involved in noncollision accident	V48, V58, V68, V78
305 Occupant of special-use motor vehicle involved in any accident	V83-V86
306 Other and unspecified motor vehicle accidents	V09.0, V09.2, V80.3-V80.5, V82.0-V82.1, V87.0-V87.5, V87.7-V87.8, V88.0-V88.5, V88.7-V88.8, V89.0, V89.2
307 Streetcar accidents	V82.2-V82.9
308 Other and unspecified land transport accidents	V01, V06, V09.1, V09.3, V09.9, V10-V11, V16-V18, V19.3, V19.8-V19.9, V80.0-V80.2, V80.7-V80.9, V87.9, V88.9, V89.1, V89.3, V89.9
309 Water transport accidents	V90-V94
310 Air and space transport accidents	V95-V97
311 Other and unspecified transport accidents and their sequelae	V98-V99,Y85
Falls	W00-W19
312 Fall on same level	W00-W09,W18
313 Fall from one level to another	W10-W17
314 Unspecified fall	W19
315 Accidental discharge of firearms	W32-W34
316 Accidental explosion	W39-W40
317 Accidental drowning and submersion	W65-W74
318 Accidental inhalation and ingestion of food or other objects causing obstruction of respiratory tract	W78-W80
319 Other accidental and unspecified threats to breathing	W75-W77, W81-W84
320 Accidental exposure to electric current	W85-W87
321 Accidental exposure to radiation	W88-W91

FIGURE 2 (CONTINUED)

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 358 SELECTED CAUSES OF DEATH

UNDERLYING CAUSE OF DEATH	ICD–10 CODE(S)
322 Accidental exposure to smoke, fire and flames	X00-X09
323 Accidental contact with heat and hot substances	X10-X19
324 Lightning	X33
325 Earthquake, volcanic eruption, avalanche, landslide and other earth movements	X34-X36
326 Cataclysmic storm and flood	X37-X38
Accidental poisoning and exposure to noxious substances	X40-X49
327 Accidental poisoning by and exposure to drugs and other biological substances	X40-X44
328 Accidental poisoning by and exposure to other and unspecified solid or liquid substances	X45-X46, X48-X49
329 Accidental poisoning by and exposure to other gases and vapors	X47
330 All other and unspecified accidents and their sequelae	W20-W31, W35-W38, W41-W64, W92-W99, X20-X32, X39, X50-X59, Y86
Intentional self-harm (suicide)	X60-X84, Y87.0
331 Intentional self-poisoning (suicide) by and exposure to drugs and other biological substances	X60-X64
332 Intentional self-poisoning (suicide) by and exposure to other and unspecified solid or liquid substances and their vapors	X65-X66, X68-X69
333 Intentional self-poisoning (suicide) by and exposure to other gases and vapors	X67
334 Intentional self-harm (suicide) by hanging, strangulation and suffocation	X70
335 Intentional self-harm (suicide) by discharge of firearms	X72-X74
336 Intentional self-harm (suicide) by jumping from a high place	X80
337 Intentional self-harm (suicide) by all other and unspecified means and their sequelae	X71, X75-X79, X81-X84, Y87.0
Assault (homicide)	X85-Y09, Y87.1
338 Assault (homicide) by drugs, biological substances and other and unspecified noxious substances	X85-X90
339 Assault (homicide) by hanging, strangulation and suffocation	X91
340 Assault (homicide) by discharge of firearms	X93-X95
341 Assault (homicide) by sharp object	X99
342 Assault (homicide) by blunt object	Y00
343 Assault (homicide) by bodily force	Y04
344 Sexual assault (homicide) by bodily force	Y05
345 Neglect, abandonment and other maltreatment syndromes	Y06-Y07
346 Assault (homicide) by all other and unspecified means and their sequelae	X92, X96-X98, Y01-Y03, Y08-Y09, Y87.1
347 Poisoning by and exposure to drugs and biological substances, undetermined intent	Y10-Y14
348 Poisoning by and exposure to other and unspecified solid or liquid substance, undetermined intent	Y15-Y16, Y18-Y19
349 Poisoning by and exposure to other gases and vapors, undetermined intent	Y17

Figure 2 (CONCLUDED)

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 358 SELECTED CAUSES OF DEATH

UNDERLYING CAUSE OF DEATH	ICD–10 CODE(S)
350 Discharge of firearms, undetermined intent	Y22-Y24
351 Falling, jumping or pushed from a high place, undetermined intent	Y30
352 All other and unspecified events of undetermined intent and their sequelae	Y20-Y21, Y25-Y29, Y31-Y34, Y87.2, Y89.9
Legal intervention	Y35, Y89.0
353 Legal execution	Y35.5
354 Other legal intervention and their sequelae	Y35.0-Y35.4, Y35.6-Y35.7, Y89.0
355 Operations of war and their sequelae	Y36, Y89.1
Complications of medical and surgical care	Y40-Y84, Y88
356 Drugs, medicaments and biological substances causing adverse effects in therapeutic use, and their sequelae	Y40-Y59, Y88.0
357 Misadventures to patients during medical and surgical care and their sequelae	Y60-Y69, Y88.1
358 Other complications of medical and surgical care and their sequelae	Y70-Y84, Y88.2-Y88.3

Figure 3

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 113 SELECTED CAUSES OF DEATH

UNDERLYING CAUSE OF DEATH	ICD–10 CODE(S)
All causes	
1# Salmonella infections	A01-A02
2# Shigellosis and amebiasis	A03, A06
3 Certain other intestinal infections	A04, A07-A09
# Tuberculosis	A16-A19
4 Respiratory tuberculosis	A16
5 Other tuberculosis	A17-A19
6# Whooping cough	A37
7# Scarlet fever and erysipelas	A38, A46
8# Meningococcal infection	A39
9# Septicemia	A40-A41
10# Syphilis	A50-A53
11# Acute poliomyelitis	A80
12# Arthropod-borne viral encephalitis	A83-A84, A85.2
13# Measles	B05
14# Viral hepatitis	B15-B19
15# Human immunodeficiency virus (HIV) disease	B20-B24
16# Malaria	B50-B54
17 Other and unspecified infectious and parasitic diseases and their sequelae	A00, A05, A20-A36, A42-A44, A48-A49, A54-A79, A81-A82, A85.0-A85.1, A85.8, A86-B04, B06-B09, B25-B49, B55-B99
# Malignant neoplasms	C00-C97
18 Malignant neoplasms of lip, oral cavity and pharynx	C00-C14
19 Malignant neoplasm of esophagus	C15
20 Malignant neoplasm of stomach	C16
21 Malignant neoplasms of colon, rectum and anus	C18-C21
22 Malignant neoplasms of liver and intrahepatic bile ducts	C22
23 Malignant neoplasm of pancreas	C25
24 Malignant neoplasm of larynx	C32
25 Malignant neoplasms of trachea, bronchus and lung	C33-C34
26 Malignant melanoma of skin	C43
27 Malignant neoplasm of breast	C50
28 Malignant neoplasm of cervix uteri	C53
29 Malignant neoplasms of corpus uteri and uterus, part unspecified	C54-C55
30 Malignant neoplasm of ovary	C56
31 Malignant neoplasm of prostate	C61
32 Malignant neoplasms of kidney and renal pelvis	C64-C65
33 Malignant neoplasm of bladder	C67
34 Malignant neoplasms of meninges, brain and other parts of central nervous system	C70-C72
Malignant neoplasms of lymphoid, hematopoietic and related tissue	C81-C96
35 Hodgkin's disease	C81
36 Non-Hodgkin's lymphoma	C82- C85

Figure 3 (CONTINUED)

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 113 SELECTED CAUSES OF DEATH

UNDERLYING CAUSE OF DEATH	ICD–10 CODE(S)
37 Leukemia	C91-C95
38 Multiple myeloma and immuno-proliferative neoplasms	C88, C90
39 Other and unspecified malignant neoplasms of lymphoid, hematopoietic and related tissue	C96
40 All other and unspecified malignant neoplasms	C17, C23-C24, C26-C31, C37-C41, C44-C49, C51-C52, C57-C60, C62-C63, C66, C68-C69, C73-C80, C97
41# In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior	D00-D48
42# Anemias	D50-D64
43# Diabetes mellitus	E10-E14
# Nutritional deficiencies	E40-E64
44 Malnutrition	E40-E46
45 Other nutritional deficiencies	E50-E64
46# Meningitis	G00,G03
47# Parkinson's disease	G20-G21
48# Alzheimer's disease	G30
Major cardiovascular diseases	I00-I78
# Diseases of heart	I00-I09, I11, I13, I20-I51
49 Acute rheumatic fever and chronic rheumatic heart diseases	I00-I09
50 Hypertensive heart disease	I11
51 Hypertensive heart and renal disease	I13
Ischemic heart diseases	I20-I25
52 Acute myocardial infarction	I21-I22
53 Other acute ischemic heart diseases	I24
Other forms of chronic ischemic heart disease	I20, I25
54 Atherosclerotic cardiovascular disease, so described	I25.0
55 All other forms of chronic ischemic heart disease	I20, I25.1-I25.9
Other heart diseases	I26-I51
56 Acute and subacute endocarditis	I33
57 Diseases of pericardium and acute myocarditis	I30-I31, I40
58 Heart failure	I50
59 All other forms of heart disease	I26-I28, I34-I38, I42-I49, I51
60# Essential (primary) hypertension and hypertensive renal disease	I10, I12
61# Cerebrovascular diseases	I60-I69
62# Atherosclerosis	I70
Other diseases of circulatory system	I71-I78
63# Aortic aneurysm and dissection	I71
64 Other diseases of arteries, arterioles and capillaries	I72-I78
65 Other disorders of circulatory system	I80-I99
# Influenza and pneumonia	J10-J18
66 Influenza	J10-J11
67 Pneumonia	J12-J18
Other acute lower respiratory infections	J20-J22
68# Acute bronchitis and bronchiolitis	J20-J21
69 Unspecified acute lower respiratory infection	J22

Figure 3 (CONTINED)

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 113 SELECTED CAUSES OF DEATH

UNDERLYING CAUSE OF DEATH	ICD–10 CODE(S)
# Chronic lower respiratory diseases	J40-J47
70 Bronchitis, chronic and unspecified	J40-J42
71 Emphysema	J43
72 Asthma	J45-J46
73 Other chronic lower respiratory diseases	J44, J47
74# Pneumoconioses and chemical effects	J60-J66, J68
75# Pneumonitis due to solids and liquids	J69
76 Other diseases of respiratory system	J00-J06, J30-J39, J67, J70-J98
77# Peptic ulcer	K25-K28
78# Diseases of appendix	K35-K38
79# Hernia	K40-K46
# Chronic liver disease and cirrhosis	K70, K73-K74
80 Alcoholic liver disease	K70
81 Other chronic liver disease and cirrhosis	K73-K74
82# Cholelithiasis and other disorders of gallbladder	K80-K82
# Nephritis, nephrotic syndrome and nephrosis	N00-N07, N17-N19, N25-N27
83 Acute and rapidly progressive nephritic and nephrotic syndrome	N00-N01,N04
84 Chronic glomerulonephritis, nephritis and nephritis not specified as acute or chronic, and renal sclerosis unspecified	N02-N03, N05-N07, N26
85 Renal failure	N17-N19
86 Other disorders of kidney	N25, N27
87# Infections of kidney	N10-N12, N13 6, N15,1
88# Hyperplasia of prostate	N40
89# Inflammatory diseases of female pelvic organs	N70-N76
# Pregnancy, childbirth and the puerperium	O00-O99
90 Pregnancy with abortive outcome	O00-O07
91 Other complications of pregnancy, childbirth and the puerperium	O10-O99
92# Certain conditions originating in the perinatal period	P00-P96
93# Congenital malformations, deformations and chromosomal abnormalities	Q00-Q99
94 Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	R00-R99
95 All other diseases (Residual)	D65-E07, E15-E34, E65-F99, G04-G12, G23-G25, G31-H93, K00-K22, K29-K31, K50-K66, K71-K72, K75-K76, K83-M99, N13.9, N14, N15.0, N15.8-N15.9, N20-N23, N28-N39, N41-N64, N80-N98
# Accidents	V01-X59, Y85-Y86
Transport accidents	V01-V99, Y85
96 Motor vehicle accidents	V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0, V89.2

Figure 3 (CONCLUDED)

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 113 SELECTED CAUSES OF DEATH

UNDERLYING CAUSE OF DEATH	ICD–10 CODE(S)
97 Other land transport accidents	V01, V05-V06, V09.1, V09.3-V09.9, V10-V11, V15-V18, V19.3, V19.8-V19.9, 80.0-V80.2, V80.6-V80.9, V81.2-V81.9, V82.2-V82.9, V87.9, V88.9, V89.1, V89.3, V89.9
98 Water, air and space, and other and unspecified transport accidents and their sequelae	V90-V99,Y85
Nontransport accidents	W00-X59, Y86
99 Falls	W00-W19
100 Accidental discharge of firearms	W32-W34
101 Accidental drowning and submersion	W65-W74
102 Accidental exposure to smoke, fire and flames	X00-X09
103 Accidental poisoning and exposure to noxious substances	X40-X49
104 Other and unspecified nontransport accidents and their sequelae	W20-W31, W35-W64, W75-W99, X10-X39, X50-X59, Y86
# Intentional self-harm (suicide)	X60-X84, Y87.0
105 Intentional self-harm (suicide) by discharge of firearms	X72-X74
106 Intentional self-harm (suicide) by other and unspecified means and their sequelae	X60-X71, X75-X84, Y87.0
# Assault (homicide)	X85-Y09, Y87.1
107 Assault (homicide) by discharge of firearms	X93-X95
108 Assault (homicide) by other and unspecified means and their sequelae	X85-X92, X96-Y09, Y87.1
109# Legal intervention	Y35, Y89.0
Events of undetermined intent	Y10-Y34, Y87.2, Y89.9
110 Discharge of firearms, undetermined intent	Y22-Y24
111 Other and unspecified events of undetermined intent and their sequelae	Y10-Y21, Y25-Y34, Y87.2, Y89.9
112# Operations of war and their sequelae	Y36, Y89.1
113# Complications of medical and surgical care	Y40-Y84, Y88

Figure 4

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 130 SELECTED CAUSES OF INFANT DEATH

UNDERLYING CAUSE OF DEATH	ICD–10 CODE(S)
All causes	
Certain infectious and parasitic diseases	A00-B99
1 Certain intestinal infectious diseases	A00-A08
2# Diarrhea and gastroenteritis of presumed Infectious origin	A09
3# Tuberculosis	A16-A19
4# Tetanus	A33,A35
5# Diphtheria	A36
6# Whooping cough	A37
7# Meningococcal infection	A39
8# Septicemia	A40-A41
9# Congenital syphilis	A50
10# Gonococcal infection	A54
Viral diseases	A80-B34
11# Acute poliomyelitis	A80
12# Varicella (chickenpox)	B01
13# Measles	B05
14# Human immunodeficiency virus (HIV) disease	B20-B24
15# Mumps	B26
16 Oher and unspecified viral diseases	A81-B00, B02-B04, B06-B19, B25, B27-B34
17# Candidiasis	B37
18# Malaria	B50-B54
19# Pneumocystosis	B59
20 Other and unspecified infectious and parasitic diseases and their sequelae	A20-A32, A38, A42-A49, A51-A53, A55-A79, B35-B36, B38-B49, B55-B58, B60-B99
Neoplasms	C00-D48
# Malignant neoplasms	C00-C97
21 Hodgkin's disease and non- Hodgkin's lymphomas	C81-C85
22 Leukemia	C91-C95
23 Other and unspecified malignant neoplasms	C00-C80,C88,C90,C96-C97
24# In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior	D00-D48
# Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism	D50-D89
25 Anemias	D50-D64
26 Hemorrhagic conditions and other diseases of blood and blood-forming organs	D65-D76
27 Certain disorders involving the immune mechanism	D80-D89
Endocrine, nutritional and metabolic diseases	E00-E88
28# Short stature, not elsewhere classified	E34.3
29# Nutritional deficiencies	E40-E64
30# Cystic fibrosis	E84

Figure 4 (CONTINUED)

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 130 SELECTED CAUSES OF INFANT DEATH

UNDERLYING CAUSE OF DEATH	ICD–10 CODE(S)
31# Volume depletion, disorders of fluid, electrolyte and acid-base balance	E86-E87
32 All other endocrine, nutritional and metabolic diseases	E00-E32, E34.0-E34.2, E34.4-E34.9, E65-E83, E85, E88
Diseases of the nervous system	G00-G98
33# Meningitis	G00, G03
34# Infantile spinal muscular atrophy, type 1 (Werdnig-Hoffman)	G12.0
35# Infantile cerebral palsy	G80
36# Anoxic brain damage, not elsewhere classified	G93.1
37 Other diseases of nervous system	G04, G06-G11, G12.1-G12.9, G20-G72, G81-G92, G93.0, G93.2-G93.9, G95-G98
38# Diseases of the ear and mastoid process	H60-H93
# Diseases of the circulatory system	I00-I99
39 Pulmonary heart disease and diseases of pulmonary circulation	I26-I28
40 Pericarditis, endocarditis and myocarditis	I30, I33, I40
41 Cardiomyopathy	I42
42 Cardiac arrest	I46
43 Cerebrovascular diseases	I60-I69
44 All other diseases of circulatory system	I00-I25, I31, I34-I38, I44-I45, I47-I51, I70-I99
Diseases of the respiratory system	J00-J98
45# Acute upper respiratory infections	J00-J06
# Influenza and pneumonia	J10-J18
46 Influenza	J10-J11
47 Pneumonia	J12-J18
48# Acute bronchitis and acute bronchiolitis	J20-J21
49# Bronchitis, chronic and unspecified	J40-J42
50# Asthma	J45-J46
51# Pneumonitis due to solids and liquids	J69
52 Other and unspecified diseases of respiratory system	J22, J30-J39, J43-J44, J47-J68, J70-J98
Diseases of the digestive system	K00-K92
53# Gastritis, duodenitis, and noninfective enteritis and colitis	K29, K50-K55
54# Hernia of abdominal cavity and intestinal obstruction without hernia	K40-K46, K56
55 All other and unspecified diseases of digestive system	K00-K28, K30-K38, K57-K92
Diseases of the genitourinary system	N00-N98
56# Renal failure and other disorders of kidney	N17-N19, N25, N27
57 Other and unspecified diseases of genitourinary system	N00-N15, N20-N23, N26, N28-N98
Certain conditions originating in the perinatal period	P00-P96
Newborn affected by maternal factors and by complications of pregnancy, labor and delivery	P00-P04
58# Newborn affected by maternal hypertensive disorders	P00.0
59# Newborn affected by other maternal conditions which may be unrelated to present pregnancy	P00.1-P00.9

Figure 4 (CONTINED)

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 130 SELECTED CAUSES OF INFANT DEATH

UNDERLYING CAUSE OF DEATH	ICD–10 CODE(S)
# Newborn affected by maternal complications of pregnancy	P01
60 Newborn affected by incompetent cervix	P01.0
61 Newborn affected by premature rupture of membranes	P01.1
62 Newborn affected by multiple pregnancy	P01.5
63 Newborn affected by other maternal complications of pregnancy	P01.2-P01.4, P01.6-P01.9
# Newborn affected by complications of placenta, cord and membranes	P02
64 Newborn affected by complications involving placenta	P02.0-P02.3
65 Newborn affected by complications involving cord	P02.4-P02.6
66 Newborn affected by chorioamnionitis	P02.7
67 Newborn affected by other and unspecified abnormalities of membranes	P02.8-P02.9
68# Newborn affected by other complications of labor and delivery	P03
69# Newborn affected by noxious influences transmitted via placenta or breast milk	P04
Disorders related to length of gestation and fetal malnutrition	P05-P08
70# Slow fetal growth and fetal malnutrition	P05
# Disorders related to short gestation and low birthweight, not elsewhere classified	P07
71 Extremely low birth weight or extreme immaturity	P07.0, P07.2
72 Other low birth weight or preterm	P07.1, P07.3
73# Disorders related to long gestation and high birth weight	P08
74# Birth trauma	P10-P15
# Intrauterine hypoxia and birth asphyxia	P20-P21
75 Intrauterine hypoxia	P20
76 Birth asphyxia	P21
77# Respiratory distress of newborn	P22
Other respiratory conditions originating in the perinatal period	P23-P28
78# Congenital pneumonia	P23
79# Neonatal aspiration syndromes	P24
80# Interstitial emphysema and related conditions originating in the perinatal period	P25
81# Pulmonary hemorrhage originating in the perinatal period	P26
82# Chronic respiratory disease originating in the perinatal period	P27
83# Atelectasis	P28.0-P28.1
84 All other respiratory conditions originating in the perinatal period	P28.2-P28.9
Infections specific to the perinatal period	P35-P39
85# Bacterial sepsis of newborn	P36
86# Omphalitis of newborn with or without mild hemorrhage	P38
87 All other infections specific to the perinatal period	P35, P37, P39
Hemorrhagic and hematological disorders of newborn	P50-P61
88# Neonatal hemorrhage	P50-P52, P54
89# Hemorrhagic disease of newborn	P53

Figure 4 (CONTINUED)

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 130 SELECTED CAUSES OF INFANT DEATH

UNDERLYING CAUSE OF DEATH	ICD–10 CODE(S)
90# Hemolytic disease of newborn due to isoimmunization and other perinatal jaundice	P55-P59
91# Hematological disorders	P60-P61
92# Syndrome of infant of a diabetic mother and neonatal diabetes mellitus	P70.0-P70.2
93# Necrotizing enterocolitis of newborn	P77
94# Hydrops fetalis not due to hemolytic disease	P83 2
95 Other perinatal conditions	P29, P70.3-P70.9, P71-P76, P78- P81, P83.0-P83.1, P83.3-P83.9, P90-P96
# Congenital malformations, deformations and chromosomal abnormalities	Q00-Q99
96 Anencephaly and similar malformations	Q00
97 Congenital hydrocephalus	Q03
98 Spina bifida	Q05
99 Other congenital malformations of nervous system	Q01-Q02, Q04, Q06-Q07
100 Congenital malformations of heart	Q20-Q24
101 Other congenital malformations of circulatory system	Q25-Q28
102 Congenital malformations of respiratory system	Q30-Q34
103 Congenital malformations of digestive system	Q35-Q45
104 Congenital malformations of genitourinary system	Q50-Q64
105 Congenital malformations and deformations of musculoskeletal system, limbs and integument	Q65-Q85
106 Down's syndrome	Q90
107 Edward's syndrome	Q91.0-Q91.3
108 Patau's syndrome	Q91.4-Q91.7
109 Other congenital malformations and deformations	Q10-Q18, Q86-Q89
110 Other chromosomal abnormalities, not elsewhere classified	Q92-Q99
Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	R00-R99
111# Sudden infant death syndrome	R95
112 Other symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	R00-R53, R55-R94, R96-R99
113 All other diseases (Residual)	F01-F99, H00-H57, L00-M99
External causes of mortality	V01-Y89
# Accidents	V01-X59, Y85-Y86
Transport accidents	V01-V99, Y85
114 Motor vehicle accidents	V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0, V89.2

Figure 4 (CONCLUDED)

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 130 SELECTED CAUSES OF INFANT DEATH

UNDERLYING CAUSE OF DEATH	ICD–10 CODE(S)
115 Other and unspecified transport accidents and their sequelae	V01, V05-V06, V09.1, V09.3-V09.9, V10-V11, V15-V18, V19.3, V19.8-V19.9, V80.0-V80.2, V80.6-V80.9, V81.2-V81.9, V82.2-V82.9, V87.9, V88.9, V89.1, V89.3, V89.9, V90-V99, Y85
116 Falls	W00-W19
117 Accidental discharge of firearms	W32-W34
118 Accidental drowning and submersion	W65-W74
119 Accidental suffocation and strangulation in bed	W75
120 Other accidental suffocation and strangulation	W76-W77, W81-W84
121 Accidental inhalation and ingestion of food or other objects causing obstruction of respiratory tract	W78-W80
122 Accidents caused by exposure to smoke, fire and flames	X00-X09
123 Accidental poisoning and exposure to noxious substances	X40-X49
124 Other and unspecified accidents and their sequelae	W20-W31, W35-W64, W85-W99, X10-X39, X50-X59, Y86
# Assault (homicide)	X85-Y09, Y87.1
125 Assault (homicide) by hanging, strangulation and suffocation	X91
126 Assault (homicide) by discharge of firearms	X93-X95
127 Neglect, abandonment and other maltreatment syndromes	Y06-Y07
128 Assault (homicide) by other and unspecified means and their sequelae	X85-X90, X92, X96-X99, Y00-Y05, Y08-Y09, Y87.1
129# Complications of medical and surgical care	Y40-Y84, Y88
130 Other external causes and their sequelae	X60-X84, Y10-Y36,Y87 0,Y87 2,Y89
122 Accidents caused by exposure to smoke, fire and flames	X00-X09
123 Accidental poisoning and exposure to noxious substances	X40-X49
124 Other and unspecified accidents and their sequelae	W20-W31, W35-W64, W85-W99, X10-X39, X50-X59, Y86
# Assault (homicide)	X85-Y09, Y87.1
125 Assault (homicide) by hanging, strangulation and suffocation	X91
126 Assault (homicide) by discharge of firearms	X93-X95
127 Neglect, abandonment and other maltreatment syndromes	Y06-Y07
128 Assault (homicide) by other and unspecified means and their sequelae	X85-X90, X92, X96-X99, Y00-Y05, Y08-Y09, Y87.1
129# Complications of medical and surgical care	Y40-Y84, Y88
130 Other external causes and their sequelae	X60-X84, Y10-Y36,Y87 0,Y87 2,Y89

Figure 5

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 124 SELECTED CAUSES OF FETAL DEATH

All causes	
Certain infectious and parasitic diseases	A00-B99
1# Congenital syphilis	A50
2# Human immunodeficiency virus (HIV) disease	B20-B24
3 Other viral diseases	A80-B19,B25-B34
4 Other and unspecified infectious and parasitic diseases	A00-A49,A51-A79,B35-B99
5# Malignant neoplasms	C00-C97
6# In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior	D00-D48
7# Anemias	D50-D64
Endocrine, nutritional and metabolic diseases	E00-E88
8# Short stature, not elsewhere classified	E343
9# Cystic fibrosis	E84
10 Other endocrine, nutritional and metabolic diseases	E00-E32,E340-E342,E344-E349,E40-E83,E85-E88
11# Meningitis	G00,G03
12 Other diseases of nervous system and sense organs	G04-H93
13# Umbilical hernia	K42
14 Other hernia	K40-K41,K43-K46
15 Other and unspecified diseases of digestive system	K00-K38,K50-K92
16 All other diseases, excluding perinatal conditions, congenital anomalies, and symptoms, signs and ill-defined conditions	D65-D89,I00-J98,L00-N98
Certain conditions originating in the perinatal period	P00-P96
# Fetus affected by maternal conditions that may be unrelated to present pregnancy	P00
17 Fetus affected by maternal hypertensive disorders	P000
18 Fetus affected by maternal renal and urinary tract diseases	P001
19 Fetus affected by maternal infectious and parasitic diseases	P002
20 Fetus affected by other maternal circulatory and respiratory diseases	P003
21 Fetus affected by maternal nutritional disorders	P004
22 Fetus affected by maternal injury	P005
23 Fetus affected by surgical procedure on mother	P006
24 Fetus affected by other medical procedures and maternal conditions	P007-P008
25 Fetus affected by unspecified maternal condition	P009
# Fetus affected by maternal complications of pregnancy	P01
26 Fetus affected by incompetent cervix	P010
27 Fetus affected by premature rupture of membranes	P011
28 Fetus affected by oligohydramnios	P012

Figure 5 (CONTINUED)

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 124 SELECTED CAUSES OF FETAL DEATH

29 Fetus affected by polyhydramnios	P013
30 Fetus affected by ectopic pregnancy	P014
31 Fetus affected by multiple pregnancy	P015
32 Fetus affected by maternal death	P016
33 Fetus affected by malpresentation before labor	P017
34 Fetus affected by other and unspecified maternal complications of pregnancy	P018-P019
# Fetus affected by complications of placenta, cord and membranes	P02
35 Fetus affected by placenta previa	P020
36 Fetus affected by other forms of placental separation and hemorrhage	P021
37 Fetus affected by other and unspecified morphological and functional abnormalities of placenta	P022
38 Fetus affected by placental transfusion syndromes	P023
39 Fetus affected by prolapsed cord	P024
40 Fetus affected by other compression of umbilical cord	P025
41 Fetus affected by other and unspecified conditions of umbilical cord	P026
42 Fetus affected by chorioamnionitis	P027
43 Fetus affected by other and unspecified abnormalities of membranes	P028-P029
# Fetus affected by other complications of labor and delivery	P03
44 Fetus affected by breech delivery and extraction	P030
45 Fetus affected by other malpresentation, malposition and disproportion during labor and delivery	P031
46 Fetus affected by forceps delivery	P032
47 Fetus affected by delivery by vacuum extractor (ventouse)	P033
48 Fetus affected by cesarean delivery	P034
49 Fetus affected by precipitate delivery	P035
50 Fetus affected by abnormal uterine contractions	P036
51 Fetus affected by other and unspecified complications of labor and delivery	P038-P039
52# Fetus affected by noxious influences transmitted via placenta	P04
53# Slow fetal growth and fetal malnutrition	P05
# Disorders related to short gestation and low birth weight, not elsewhere classified	P07

Figure 5 (CONTINUED)

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 124 SELECTED CAUSES OF FETAL DEATH

54 Extremely low birth weight or extreme immaturity	P070,P072
55 Other low birth weight and preterm	P071,P073
# Disorders related to long gestation and high birth weight	P08
56 Exceptionally large size and other heavy for gestational age fetus	P080-P081
57 Post-term, not heavy for gestational age fetus	P082
# Birth trauma	P10-P15
58 Intracranial laceration and hemorrhage due to birth injury and other injuries to central nervous system	P10-P11
59 Other birth trauma	P12-P15
# Intrauterine hypoxia and birth asphyxia	P20-P21
60 Intrauterine hypoxia first noted before onset of labor	P200
61 Intrauterine hypoxia first noted during labor and delivery	P201
62 Intrauterine hypoxia, unspecified	P209
63 Birth asphyxia	P21
Other respiratory conditions originating in the perinatal period	P23-P28
64# Congenital pneumonia	P23
65# Aspiration syndromes	P24
66# Interstitial emphysema and related conditions originating in the perinatal period	P25
67# Atelectasis	P280-P281
68 Other respiratory system disorders	P26-P27,P282-P289
Infections specific to the perinatal period	P35-P39
69# Congenital rubella syndrome	P350
70# Congenital cytomegalovirus infection	P351
71# Congenital herpesviral (herpes simplex) infection	P352
72# Congenital viral hepatitis	P353
73# Bacterial sepsis	P36
74# Congenital tuberculosis	P370
75# Congenital toxoplasmosis	P371
76 Other infections specific to the perinatal period	P358-P359,P372-P379,P38-P39
77# Fetal hemorrhage	P50-P54
# Hemolytic disease of fetus	P55-P56
78 Rh isoimmunization of fetus	P550
79 ABO isoimmunization of fetus	P551
80 Other hemolytic disease of fetus	P558-P559
81 Hydrops fetalis due to hemolytic disease	P56
82# Perinatal jaundice	P57-P59
83# Hematological disorders	P60-P61
Transitory endocrine and metabolic disorders specific to fetus	P70-P74

Figure 5 (CONTINUED)

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 124 SELECTED CAUSES OF FETAL DEATH

84# Syndrome of infant of a diabetic mother and neonatal diabetes mellitus	P700-P702
85 Other transitory endocrine and metabolic disorders specific to fetus	P703-P709,P71-P74
86# Digestive system disorders of fetus	P76-P78
Other conditions originating in the perinatal period	P80-P96
87# Hydrops fetalis not due to hemolytic disease	P832
88# Fetal death of unspecified cause	P95
89# Withdrawal symptoms from maternal use of drugs of addiction	P961
90# Termination of pregnancy	P964
91# Complications of intrauterine procedures, not elsewhere classified	P965
92 All other specified conditions originating in the perinatal period	P80-P81,P830-P831,P833-P839,P90-P91,P93-P94,P960,P963,P968
93 Condition originating in the perinatal period, unspecified	P969
# Congenital malformations, deformations and chromosomal abnormalities	Q00-Q99
Congenital malformations of nervous system	Q00-Q07
94 Anencephaly and similar malformations	Q00
95 Encephalocele	Q01
96 Microcephaly	Q02
97 Congenital hydrocephalus	Q03
98 Reduction deformities of brain	Q040-Q043
99 Other congenital malformations of brain	Q044-Q049
100 Spina bifida	Q05
101 Other congenital malformations of spinal cord and nervous system	Q06-Q07
102 Congenital malformations of eye, ear, face and neck	Q10-Q18
103 Congenital malformations of heart	Q20-Q24
104 Other congenital malformations of circulatory system	Q25-Q28
105 Congenital malformations of lung	Q33
106 Other congenital malformations of respiratory system	Q30-Q32,Q34
107 Congenital malformations of digestive system	Q35-Q45
108 Congenital malformations of genital organs	Q50-Q56
Congenital malformations of urinary system	Q60-Q64
109 Renal agenesis and other reduction defects of kidney	Q60
110 Cystic kidney disease	Q61
111 Other congenital malformations of urinary system	Q62-Q64

Figure 5 (CONCLUDED)

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 124 SELECTED CAUSES OF FETAL DEATH

112 Congenital malformations and deformations of musculoskeletal system, limbs and integument	Q65-Q85
Other congenital malformations	Q86-Q89
113 Conjoined twins	Q894
114 Multiple congenital malformations, not elsewhere classified	Q897
115 All other congenital malformations	Q86-Q87,Q890-Q893,Q898-Q899
Chromosomal abnormalities, not elsewhere classified	Q90-Q99
116 Down's syndrome	Q90
117 Edward's syndrome	Q910-Q913
118 Patau's syndrome	Q914-Q917
119 Other chromosomal abnormalities, not elsewhere classified	Q92-Q99
120 Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	R83-R94
External causes of mortality	V01-Y84
121# Accidents	V01-X59
122# Assault (homicide)	X85-Y09
123# Complications of medical and surgical care	Y40-Y84
124 Other external causes	Y10-Y36

USE OF RATES AND RATIOS

It is sometimes quite useful to adjust a rate or ratio for factors in the population that may affect the measurement. For instance, mortality rates, expressed as numbers of deaths per 1,000 or 100,000 resident population, can be adjusted to account for the effects of demographic factors that might affect mortality, such as race or age composition of the population. Where such adjustments have been made in this report, that fact is indicated in the title or footnote of the table or graph.

However, most reference tables in this report present rates and ratios that have not been adjusted to account for such factors. In such "crude" rates, the denominator is the estimated state or county population, divided by 1,000 or 100,000, and the numerator is the number of events, not weighted by any factor to adjust for the composition of the population. Examples of crude rates are given in the DEFINITIONS section below.

DEFINITIONS

This section provides definitions of selected demographic, statistical, and medical terms as they are used in this publication. The terms are listed in alphabetical order. Cause of death, race, marital status, and population estimates, discussed elsewhere in the TECHNICAL OVERVIEW SECTION, are not included here.

ABORTION - the spontaneous or induced termination of a pregnancy, without live birth or unintended death.

ABORTION RATIO - the number of induced abortions reported to the OVS, compared to the number of live births. It is calculated as follows:

$$Abortion\ ratio = \frac{Number\ of\ induced\ abortions}{Number\ of\ live\ births} \times 1{,}000$$

AGE - the calculated or reported age of the person(s) involved in a vital or reportable event. For fetal deaths, parents' reported ages were used. For births, induced abortions, marriages, divorces, and reportable cancers, age was calculated based on reported date of birth and date of the event. For deaths, age was calculated as the number of days between birth and death dates. Age in days was divided by 365.25 and truncated to yield age in years if the decedent was one year old or older. Where the record of the month and day of birth were incomplete or invalid, the month was assumed to be June and the day was assumed to be the 15th for the calculation of age in years.

AGE-ADJUSTED DEATH RATE - an index number that represents the crude death rate that would occur if the observed age-specific death rates were present in a population with an age distribution identical to that of a standard population. It is derived from several age-specific death rates and used to compare relative mortality risks from one group to another (including comparisons of the resident populations of a single geographic region at different times). Statistically, it is a weighted average of the age-specific rates, with the weights representing the proportionate distribution of age in a hypothetical population. It is possible to adjust death rates for other demographic variables that might influence mortality, such as race, sex, or ancestry. (See AGE-SPECIFIC DEATH RATE below and AGE-ADJUSTED DEATH RATES in the MORTALITY section of the report for more discussion.) It is

calculated in this report by the direct method, using the 2000 U.S. population as the standard population, as follows:

$$Age\text{-}adjusted\ death\ rate = \sum_{i=1}^{11} S_i w_i$$

where S_i = *the age - specific death rate for the* i^{th} *age group*

where w_i = *the weight of the* i^{th} *age group in the standard population*

AGE-SPECIFIC DEATH RATE – the proportion of deaths in a specific age group, expressed as a number per thousand persons in that age group. The "standard 11" age groups are typically used: 0 years of age, 1 – 4 years of age, 5 – 14, 15 – 24, … , 75 – 84, and 85 years of age or older. It is calculated as follows:

$$Age\ specific\ death\ rate = \frac{Number\ of\ deaths\ within\ the\ age\ group}{Midyear\ population\ of\ the\ age\ group} \times 1{,}000$$

APGAR SCORE - an evaluation of a newborn infant's physical status that assigns numerical values (0-2) to each of five criteria 1) heart rate, 2) respiratory effort, 3) muscle tone, 4) response stimulation, and 5) skin color; a score of eight to ten indicates the best possible condition.

AT-RISK POPULATION - all of the persons to whom a given event could occur. The at-risk or "subject" population is the denominator in a rate calculation. (See the use of "at risk" in the definition of FERTILITY RATE).

BIRTH RATE - the proportion of live births in the total population, expressed as a number per thousand persons in that population. Unless otherwise stated, the birth rate is the annual, crude rate, unadjusted for factors affecting the population. It is calculated as follows:

$$Crude\ birth\ rate = \frac{Number\ of\ live\ births}{Midyear\ population} \times 1{,}000$$

COUNTY - as used in table titles, either an incorporated county or that part of Yellowstone National Park which is located in Montana. For example, a tabulation of deaths "by county of occurrence" would show deaths in the Montana portion of Yellowstone National Park as "county" occurrences.

DEATH RATE - the proportion of deaths in the total population, expressed as a number per thousand population. Unless otherwise stated, the death rate is the annual crude rate, unadjusted for factors affecting the population. It is calculated as follows:

$$Crude\ death\ rate = \frac{Number\ of\ deaths}{Midyear\ population} \times 1{,}000$$

EXTREMELY LOW BIRTHWEIGHT - the birthweight of an infant of less than 1,000 grams (about 2 pounds 3.25 ounces).

FERTILITY RATE - the total number of live births as a proportion of the estimated female population at risk, expressed as a number per thousand women in that population. The population at risk of experiencing a birth is all fertile women. The approximation used is all women in the main childbearing ages (15 to 44 years). It is calculated as follows:

$$Fertility\ rate = \frac{Number\ of\ live\ births}{Midyear\ population\ of\ women\ aged\ 15-44} \times 1{,}000$$

FETAL DEATH - the reported birth of a fetus that shows no evidence of life after complete birth-that is, no action of the heart, breathing, or movement of voluntary muscles. Montana law requires report of fetal death if the fetus weighed 350 grams or more or, if the weight is unknown, the delivery took place after 20 weeks of gestation. There is no provision in Montana law for reporting the birth of a non-viable fetus with a lower weight.

FETAL MORTALITY RATIO - the number of fetal deaths as compared to the number of live births, expressed as a number per thousand live births. It is calculated as follows:

$$Fetal\ mortality\ ratio = \frac{Number\ of\ fetal\ deaths}{Number\ of\ live\ births} \times 1{,}000$$

FREQUENCY - the number of occurrences of an event or observation; how often an event occurs.

ICD - the International Classification of Diseases code used to classify and report causes of death in vital statistics. This code is revised periodically. The current revision is called the International Statistical Classification of Diseases, Injuries, and Related Health Problems, Tenth Revision, and is published by the World Health Organization. In this report, the code is referred to as ICD-10. (See the "Cause of Death Certification" and "Cause of Death and Conversion to ICD-10" sections of this report for further details).

INCIDENCE RATE - the number of new occurrences of an event within a population during a stated time period for a given number of persons in that population. The time period is assumed to be annual unless otherwise stated. The incidence rate for reportable diseases is expressed as the number of new cases per 100,000 population.

INDUCED ABORTION - a legal, medical or surgical procedure that is intended to terminate a pregnancy without live birth.

INFANT - an individual less than 365 days (one year) old.

INFANT MORTALITY RATE - the number of infant deaths compared to the number of live births in that same period, expressed as a number per thousand live births. It is calculated as follows:

$$Infant\ mortality\ rate = \frac{Number\ of\ infant\ deaths}{Number\ of\ live\ births} x\ 1{,}000$$

INVALID MARRIAGE - a marriage deemed never to have been legal; a declaration of invalid marriage was formerly called an annulment.

LIVE BIRTH - the birth of a child who shows evidence of life after complete birth. Evidence of life includes heart action, breathing, or movement of voluntary muscles.

LOW BIRTH WEIGHT - the birth weight for a live-born infant of less than 2,500 grams (about five pounds, eight ounces).

MARITAL DISSOLUTION - legal termination of a valid marriage; a marital dissolution was formerly called a divorce.

MATERNAL DEATH - a woman's death attributable to childbirth or complications of pregnancy, delivery, and the puerperium.

MATERNAL MORTALITY RATE - the total number of maternal deaths as a proportion of total live births, expressed as a number per hundred thousand live births. It is calculated as follows:

$$Maternal\ mortality\ rate = \frac{Number\ of\ maternal\ deaths}{Number\ of\ live\ births} x\ 100{,}000$$

MEAN - the arithmetic average, obtained by dividing the sum of individual values or scores by the number of values or scores observed. For example, the mean age for six persons aged 9, 10, 12, 13, 13, and 16 is 73 divided by 6, or 12.2 years.

MEDIAN - the midpoint; for our purposes, given a set with an odd number of values, the median is the middle value when arranged in numerical order. For a set with an even number of values, the median is the mean of the two "middle" values. For the example under the definition of MEAN, the median age is 12.5 years.

MODE - the most frequently observed value in a set of values. For the example under the definition of MEAN, the modal age is 13.

NATURAL INCREASE - the excess of births over deaths among residents of an area.

NEONATAL DEATH - a death occurring within the first 27 days of life.

NEOPLASM - a new, abnormal, malignant, or benign growth of tissue that is uncontrolled and progressive. Malignant neoplasms are commonly called cancers.

OUT-OF-WEDLOCK BIRTH RATIO - the number of births to unmarried women as compared to the number of live births, expressed as a number per thousand live births. It is calculated as follows:

$$Out-of-wedlock\ birth\ ratio = \frac{Number\ of\ live\ out-of-wedlock\ births}{Number\ of\ livebirths} x\ 1,000$$

PARITY - the condition of a woman with respect to her having borne viable offspring. The parity of this birth is the number of live children the woman has borne, including those born in the current delivery.

PERCENTILE - (as in xxth percentile) a statistic used to describe the dispersion of a set of values. One-quarter of the values in a set are less than or equal to the value of the 25th percentile; one-half are less than or equal to the 50th percentile (or median); etc. The 25th and 75th percentiles are found by counting out to the first quarter and three quarter of the values, respectively. When this count lands between two values in the list, averages can be taken, although any number between the two would suffice. For the example under the definition of MEAN, the 25th percentile is 11 and the 75th percentile is 13.

PERINATAL DEATH - a death occurring near the time of birth. The number of perinatal deaths is the sum of registered fetal deaths and neonatal deaths.

PERINATAL MORTALITY RATE - the number of fetal deaths plus neonatal deaths as compared to the number of deliveries (fetal deaths plus live births), expressed as a number per thousand live births in that population. It is calculated as follows:

$$Perinatal\ mortality\ rate = \frac{Number\ of\ fetal\ deaths + neonatal\ deaths}{Number\ of\ live\ births} x\ 1,000$$

PLACE OF OCCURRENCE - the location where an event took place, regardless of the usual residence of the person(s) involved.

PLACE OF RESIDENCE - the usual residence of the person(s) involved in a vital event, regardless of the event's place of occurrence. For births and fetal deaths, the mother's usual place of residence. For induced abortions, the usual place of residence of the patient. For deaths, the usual place of residence of the decedent.

PLURALITY - the number of infants born during this delivery.

POST-NEONATAL DEATH - during the first year of life, but after the first 27 days.

PUERPERIUM - the condition of the mother immediately following childbirth.

RATE - the frequency of an event in a population subject to that event, expressed as the frequency of occurrence per unit--generally 1,000 or 100,000--of the subject population. For example, the Montana resident birth rate per 1,000 population is the number of births to Montana resident women for every 1,000 men, women, and children in the Montana population.

RATIO - the comparison of two types of events occurring in a subject population, expressed as a frequency of occurrence per unit of one of the events. For instance, the Montana fetal mortality ratio is the number of fetal deaths per 1,000 live births to Montana resident women. The population, fertile women residing in Montana, is the same for both events, but the events are unlikely to have happened to the same women. Also, the total number of fertile women is not part of the calculation; the basis for the unit (the denominator) is live births, one of the events.

STAGE AT DIAGNOSIS -The extent to which a cancer has spread when it is first diagnosed. Summary stages for cancer diagnoses are:

In-Situ - An abnormal cell growth that meets the criteria for malignancy but does not invade the basement membrane of the organ involved.

Local - A cancer that is limited to the site of origin. It has not spread beyond the organ.

Regional - A cancer that extends to adjacent organs and/or regional lymph nodes, and appears to have spread no further.

Distant - A cancer that extends beyond adjacent organs and has spread to a distant site or distant lymph node.

Unknown - A cancer for which there is insufficient information available to determine the stage at diagnosis.

STANDARD DEVIATION - a measure of how "spread out" a set of values is, on average, from its mean. A small standard deviation indicates that, on average, the values are tightly grouped around the mean while a large standard deviation indicates that, on average, the values are scattered widely. For the series of values presented for the definition of MEAN, the standard deviation is 2.27. For a set of N values, it is computed as follows:

$$\textit{Standard deviation} = \sqrt{\frac{1}{N}\sum_{i=1}^{N}(x_i - \mu)^2}$$

where μ = *the mean of the set of N values*

where x_i = *the* i^{th} *value in the set of N values*

SUBJECT POPULATION - see AT-RISK POPULATION.

SURVIVAL RATE - the percentage of people diagnosed with a life-threatening disease and remaining alive as of a stated time period after diagnosis.

THERAPIES - procedures used to treat cancer or other health conditions. The following are therapies for reportable cancers:

Biological Response Modifiers (BRM) Therapy - administration of a chemical that alters the patient's immune system to destroy cancer growth.

Chemotherapy - administration of a drug to destroy cancer cells.

Hormone Therapy- administration of a hormone or steroid drug that destroys cancer by changing the hormone balance of the patient.

Radiation - the transmission of light, short radio waves, ultraviolet light, or x-rays to destroy cancer cells. Radiation may reduce the size, destroy the cancer, or stop growth of the cancer.

Surgery - a partial or total removal of a primary cancer or a metastatic cancer.

VERY LOW BIRTHWEIGHT - the birthweight of an infant of less than 1,500 grams (about 3 pounds 5 ounces).

YEARS OF POTENTIAL LIFE LOST (YPLL) - A measure of the cost of premature deaths that emphasizes deaths of the young by measuring the number of years lost to death before a given age, 75 years in this report. Statistically, YPLL is the difference between a given age and the decedent's age at death, summed for all decedents younger than the given age.

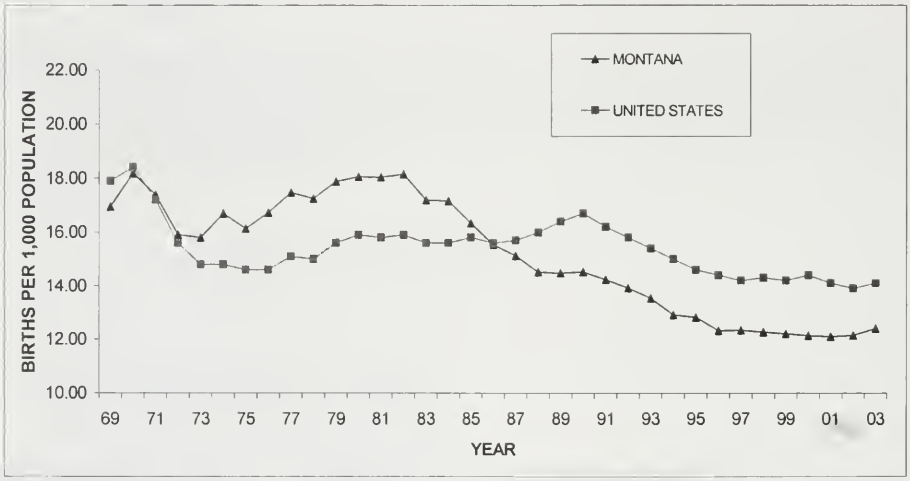
NATALITY

There were 11,384 babies born to Montana residents in 2003. **Table S-1** shows the frequency and rate of births occurring in Montana (regardless of place of residence) at five-year intervals from 1910 to 1945 and those to all Montana residents (regardless of place of occurrence) each year since 1946.

The frequency of births to Montana residents increased slightly in 2000, 2001 and 2002, and the birth rate appears to have stabilized in those years at 12.1 per 1,000 population. In 2003 the number of births increased again and the rate increased to 12.4 per 1,000 population. This was the first substantial increase since 1982. However, it is much too soon to identify this as a change in trend. **Figure 6** below compares the resident birth rates for Montana and the U.S. for the last 35 years.

Figure 6

RESIDENT BIRTH RATES
MONTANA AND THE UNITED STATES, 1969-2003



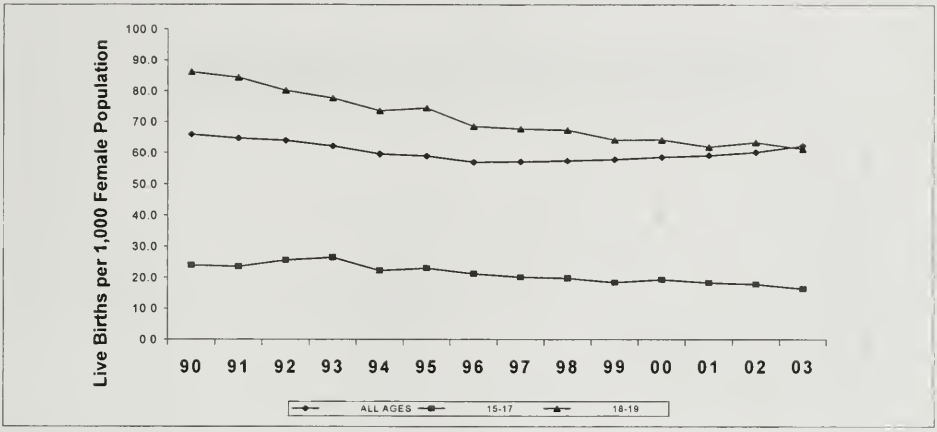
While the Montana rate exceeded the U.S. rate from 1971 to 1985, it began to decline in the early 1980's, fell below the U.S. rate in the mid-80's, and has been the lower of the two since. Only seven states currently have a lower birth rate than Montana. None of those states is West of the Mississippi River.

FERTILITY

The fertility rate, calculated as the number of births per 1,000 females of childbearing age (assumed to be ages 15-44, inclusive), is more useful than the birth rate for many analytic purposes because it is specific with regards to sex and age of the "at-risk" population. Montana's fertility rate since 1990, also among the lowest in the nation, is shown in **Figure 7** for mothers of all ages, mothers between the ages of 15 and 17, and those between the ages of 18 and 19. This graph shows fertility rates for Montana mothers of all races.

Figure 7

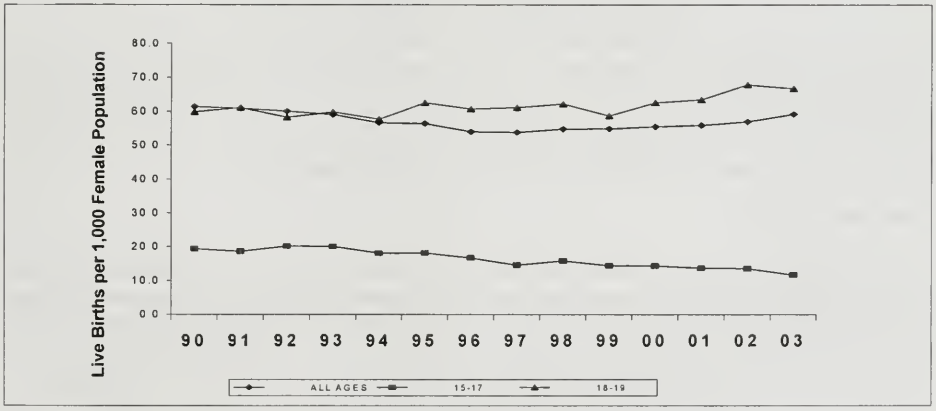
FERTILITY RATES FOR MOTHERS OF ALL RACES
MONTANA TEENS AND MOTHERS OF ALL AGES, 1990-2003



The rate of fertility among various racial groups can be quite different from those of the entire population, as is illustrated by comparison of **Figure 8** below and **Figure 9** on the next page. Examination of the respective rates for whites and Native Americans for the previous several years is revealing.

Figure 8

FERTILITY RATES* FOR WHITE MOTHERS
MONTANA TEENS AND MOTHERS OF ALL AGES, 1990-2003

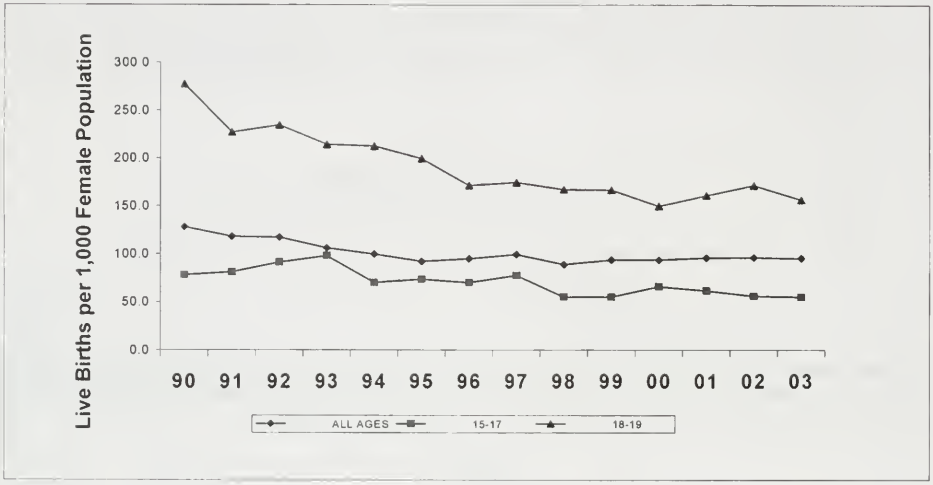


* Since in the year 2000, the Census now records the number of persons of multiple races. Therefore, the enumeration of whites in that and subsequent years may be an undercount and the white fertility rate a slight overestimate.

In 2003, the fertility rate for Montana's white mothers of any age was 59.2. The rate for white mothers between 15 and 17 was 11.7, and the rate for white mothers between the ages of 18 and 19 was 66.7. Fertility rates for Native Americans were substantially higher in all age groups—95.5, 55.2, and 156.3, respectively.

Figure 9

FERTILITY RATES* FOR NATIVE AMERICAN MOTHERS MONTANA TEENS AND MOTHERS OF ALL AGES, 1990-2003



* Since in the year 2000, the Census now records the number of persons of multiple races. Therefore, the enumeration of Native Americans in that and subsequent years may be an undercount and the Native American fertility rate a slight overestimate.

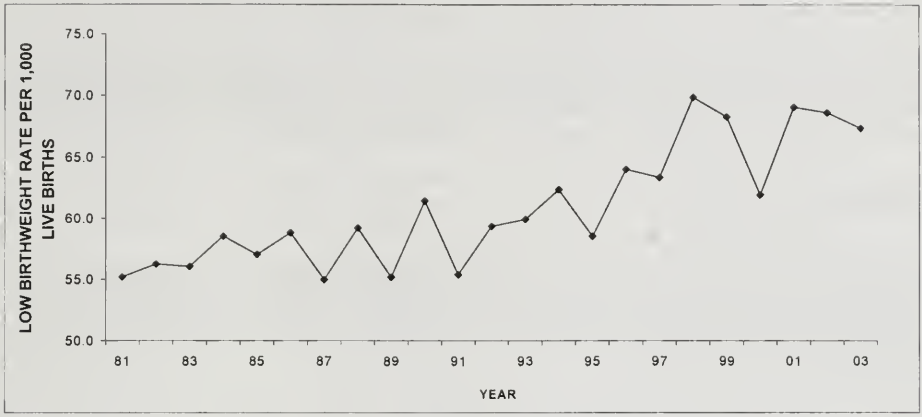
Rates of change for these fertility rates also varied among different groups during this period. The fertility rates for Native Americans of all age groups were higher than those for whites in 2003, but most--with the exception of the 15-17 year old cohort--fell faster during the preceding 13 years. Rates for whites of all ages fell by 3.5%, with a reduction of 39.6% for white teens aged 15-17, and an increase of 11.6% for white teens aged 18-19. Rates for Native Americans of all age groups fell over this period; the rates for all ages, teens aged 15-17, and those aged 18-19 fell by 25.4% 29.2%, and 43.6%, respectively.

LOW BIRTHWEIGHT

Table B-3 shows the frequency of birth by birthweight category and the mother's county of residence. **Figure 10**, on the following page, shows an increasing rate of low birthweight babies born to Montanans. The rate was 55.2 in 1981 and 67.4 in 2003. While low birthweight has been identified by NCHS as one of the best predictors of infant death, this does not seem to be the case for the Montana infant population as a whole, as the trends of infant and fetal mortality among Montanans in **Figure 16** show. While the low birthweight rate trends upward, rates of infant death are falling for Montana residents.

Figure 10

RATE OF LOW BIRTHWEIGHT BIRTHS
MONTANA RESIDENTS, 1981-2003



MOTHER'S AGE, RACE, AND MARITAL STATUS

Those giving birth in 2003 were predominantly married white women between the ages of 20 and 35 years. **Table S-8** shows the frequency and percent distribution of births to Montana residents by the mother's age and county of residence. **Table S-3** shows the frequency of births by the mother's race and county of residence of the mother. Any of the races shown may include women of Hispanic origin.

Figure 11

PERCENT OF BIRTHS TO UNMARRIED MOTHERS
MONTANA AND U.S. RESIDENTS, 1981-2003

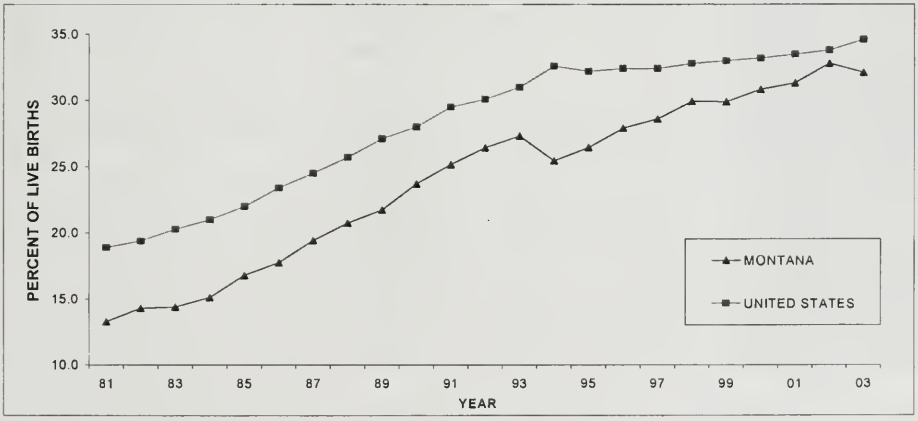


Table B-1 shows the frequency and percent distribution of resident births to unmarried mothers for the years 1998 through 2003. **Table S-7** shows the frequency of birth by marital status of the mother for each of Montana's counties in 2003. **Figure 11**, on the previous page, shows the trend in those births to unmarried women for Montana and the United States since 1981. Births to unmarried women represented 13.3% of Montana's resident births in 1981, 23.7% in 1990, 30.8% in 2000, and 32.1% in 2003.

By comparison, unmarried women in the U.S. accounted for 18.9% of the resident births in 1981, 28.0% in 1990, 33.2% in 2000, and 34.6% in 2003 (preliminary). The Montana proportion of births to unmarried mothers has been, for more than two decades, somewhat below the U.S. proportion. The long–term trend for Montana appears to be converging with the national trend over this periods.

METHOD OF DELIVERY

Almost four-fifths of the infants delivered in Montana in the years 1994 through 2003 were delivered vaginally (including those delivered vaginally after the mother had a previous C-section). As **Figure 12** shows, the likelihood of a vaginal delivery decreases steadily with increasing age of the mother. This pattern holds for both whites and Native Americans.

Figure 12

FREQUENCY AND PERCENT DISTRIBUTION OF LIVE BIRTHS BY AGE OF MOTHER AND METHOD OF DELIVERY MONTANA OCCURRENCES, 1994-2003

METHOD OF DELIVERY		ALL AGES	UNDER 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 AND OVER	NOT STATED
ALL METHODS	Number	109,329	124	4,068	8,795	29,917	30,290	22,940	10,819	2,255	115	6
	Percent	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
VAGINAL	Number	83,782	107	3,525	7,369	23,999	23,218	16,589	7,452	1,442	76	5
	Percent	76.6	86.3	86.7	83.8	80.2	76.7	72.3	68.9	63.9	66.1	83.3
VAGINAL AFTER C-SECTION	Number	3,195	-	5	74	611	987	948	475	92	3	-
	Percent	2.9	0.0	0.1	0.8	2.0	3.3	4.1	4.4	4.1	2.6	0.0
PRIMARY C-SECTION	Number	13,562	16	522	1,166	3,619	3,548	2,827	1,459	383	22	-
	Percent	12	13	13	13	12	12	12	14	17	19	0
REPEAT C-SECTION	Number	8,753	1	14	183	1,683	2,529	2,564	1,429	336	14	-
	Percent	8.0	0.8	0.3	2.1	5.6	8.3	11.2	13.2	14.9	12.2	0.0
NOT STATED	Number	37	-	2	3	5	8	12	4	2	-	1
	Percent	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	16.7

MORTALITY

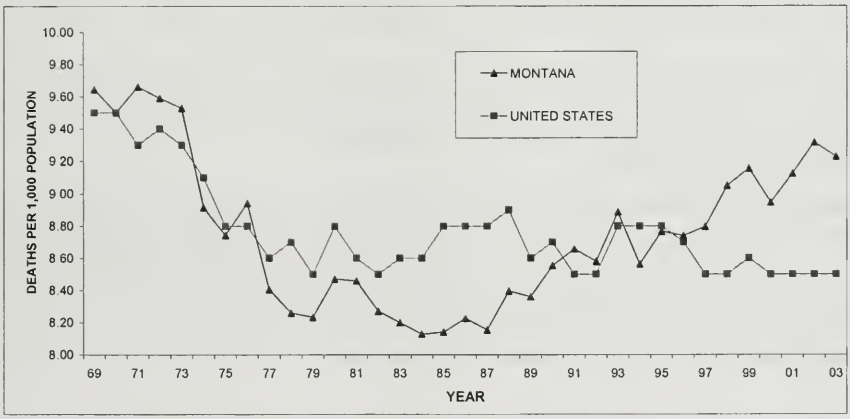
Montana's crude annual resident mortality rate in 2003 was 9.2 per 1,000 estimated midyear population. There were 8,445 Montana residents who died in that year, with their median age being 78 years. Of these people, 4,332 (51.3%) were males and 4,113 (48.7%) were females. There were 7,207 white resident decedents (85.3%), 402 Native Americans (4.8%), and 791 decedents described as belonging to two or more races (9.4%). Forty-one decedents were of some other single race (about half of one percent) and four were of unknown race.

By way of comparison, Montana's population was almost evenly divided between males (51.3%) and females (48.7%). According to the U.S. Census Bureau, 90.6% of Montana's resident population in 2000 was white and 6.2% was Native American. Nine and four tenths percent of the population reported themselves as being of mixed race.

Figure 13 shows the crude death rates per 1,000 population for Montana and U.S. residents from 1969 through 2003. Montana's annual rate followed the national trend fairly closely throughout most of this period. However, there were notable deviations, particularly in the 1980s and late nineties. Montana's rate displayed no consistent trend from 1969 to 1973, averaging about 9.5 deaths per 1,000 population. Montana and The United States dropped precipitously beginning in the early 1970s, and Montana's rate, for the most part, has been rising since the mid-1980s. The decrease of Montana's rate from 9.3 in 2002 to 9.2 in 2003 reflects a decrease of 0.3% in the number of deaths and an increase of 0.9% in size of the resident population.

Figure 13

RESIDENT CRUDE DEATH RATES
MONTANA AND THE UNITED STATES, 1969 – 2003

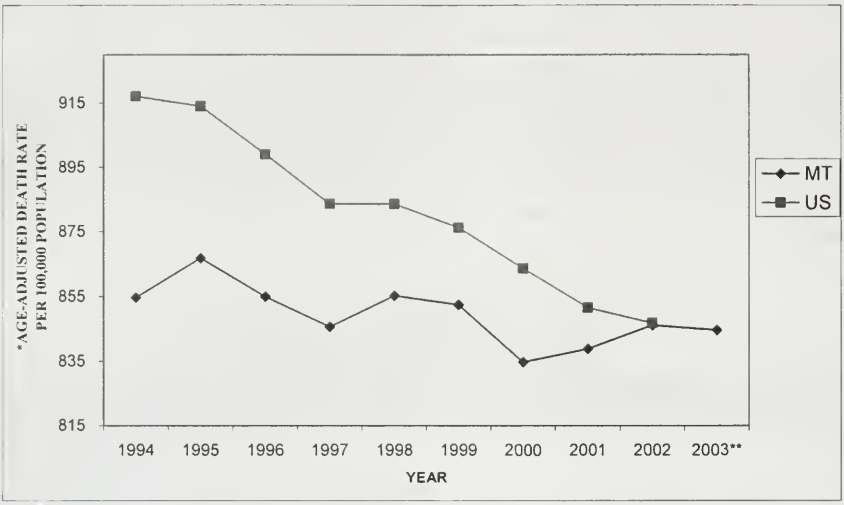


The rate of death is closely related to the age structure of the resident population. It is therefore useful to adjust this rate for differences in the age distributions of populations when comparing death rates between those populations. (See the definition of "age adjusted death rate" in the DEFINITIONS section of this report for a description of the mathematics of

age adjustment and also see the section on AGE-SPECIFIC AND AGE -ADJUSTED DEATH RATES below for discussion of their proper use.) While the crude death rate represents the absolute risk of death in a single population at a particular time, the age-adjusted rate offers a better comparison of the relative risk of death between populations in differen geographic areas at a single time or in the same geographic area at different times.

Figure 14

AGE-ADJUSTED DEATH RATES*
MONTANA AND UNITED STATES RESIDENTS, 1994- 2003



* Adjusted with the direct method to the year projected 2000 U.S. population.
** The U.S. rate for 2003 is not yet available.

Figure 14 shows the age-adjusted death rates for Montana and U.S. citizens for the last 10 years. It is notable that while Montana's crude death rate (reflecting the absolute risk of death among the resident population) has been increasing, the age-adjusted rate (which reflects relative risk by adjusting for the age of the population and the age of its decedents) has been generally declining over the ten years profiled. It is also notable that the age-adjusted rate for Montana was lower tha the U.S. rate for eight of the ten years profiled, averaging about 96.2% of the national rate.

Figure 15 summarizes the distribution of age at death for Montana residents by sex and race for the ten-year period, 1994 to 2003.

Figure 15
AGE AT DEATH IN YEARS BY SEX AND RACE
CENTRAL TENDENCY AND DISPERSION*
MONTANA RESIDENTS, 1994 – 2003

RACE AND SEX	NUMBER OF DEATHS	MINIMUM AGE	25TH PERCENTILE	MEDIAN AGE	75TH PERCENTILE	MAXIMUM AGE	MEAN AGE	STANDARD DEVIATION
ALL RACES								
TOTAL	79,638	0	66	78.0	86	111	73.0	18.6
MALE	41,118	0	61	75.0	83	109	69.6	19.1
FEMALE	38,519	0	70	81.0	88	111	76.7	17.3
WHITE								
TOTAL	74,829	0	67	78.0	86	111	73.9	17.8
MALE	38,398	0	63	75.0	83	109	70.6	18.3
FEMALE	36,430	0	71	81.0	88	111	77.4	16.6
NATIVE AMERICAN								
TOTAL	3,700	0	42	61.0	75	107	56.8	23.2
MALE	2,121	0	38	57.0	72	107	53.5	23.2
FEMALE	1,579	0	48	65.0	78	104	61.2	22.4
OTHER								
TOTAL	1109	0	58	75.0	85	106	68.5	22.8
MALE	599	0	53	72.0	83	101	65.4	22.7
FEMALE	510	0	65	78.0	88	106	72.2	22.3

*The *mean* is the arithmetic average, the *median* is the midpoint. To illustrate, one quarter of the decedents died at or under the age at the *25th percentile;* half at or under the age at the *median* (or *50th percentile)* etc. The *standard deviation* measures the concentration of the distribution around its mean.

In the last decade, whites typically died at an older age than Native Americans. The age at death for whites was several years greater than that for Native Americans at every quartile (25th percentile, median, and 75th percentile). Particularly striking was the fact that one quarter of the white decedents died at or below the age of 67, while one quarter of the Native American decedents died at or below the age of 42 years.

There was greater variability in the age at death for the Native American population than for the white population. The standard deviation, which measures the distribution around the mean, was greater for the Native Americans (23.2) compared to whites (17.8); thus, a larger proportion of Native Americans died at younger- or older-than-average ages than did whites.

In general, female decedents were older than male decedents; the mean and median ages at death were greater for women than for men, regardless of race. For white women, the median age was 81 years, compared to 75 years for white men. The median age for Native American women was 65 years, compared to 57 years for Native American men.

Decedents of all "Other" races were a much larger proportion of the Montana total decedents than in years past (more than 7.0%) and their age distributions were more similar to the White Race or in between that of the Native American distribution of Montanans.

FETAL, INFANT, AND MATERNAL DEATHS

Table S-1 shows the frequency and crude rate or ratio of all deaths and of fetal, infant, and maternal deaths occurring in Montana (regardless of place of residence) at five-year intervals from 1910 to 1945 and yearly from 1946 through 2003 for deaths of Montana residents (regardless of place of occurrence).

Figure 16

FIVE-YEAR INFANT MORTALITY RATES AND FETAL MORTALITY RATIOS MONTANA RESIDENTS, 1979 - 2003

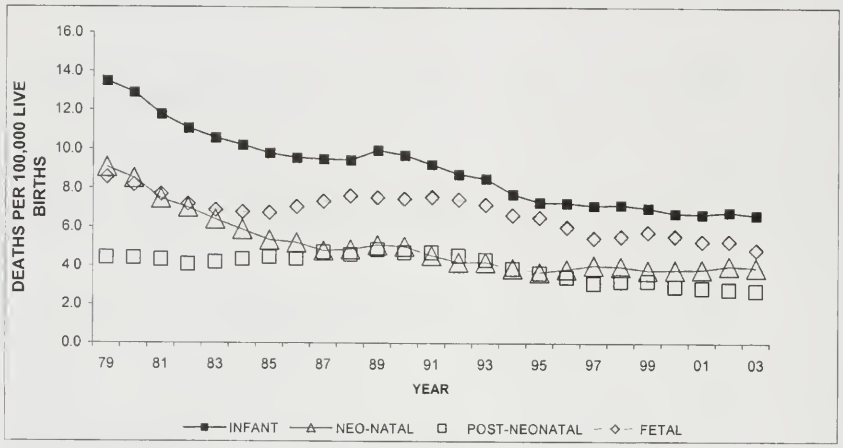


Figure 16 shows the five-year infant and fetal mortality rates for Montana residents from 1979 through 2003. There was a substantial decline in the five-year infant death rate during this period. This rate, the number of infant deaths per 1,000 live births, was more than halved during this interval. It declined from 13.5 in 1979 to 6.6 in 2003. The five-year death rate for the infants dying in the neonatal period, the first 28 days of life, was also more then halved during this period, declining from 9.1 per 1,000 live births in 1979 to 3.9 in 2003. The rate for post-neonatal infants (infants 28 days and older) declined by more than two-fifths, falling from 4.4 to 2.7 per 1,000 live births. The five-year fetal mortality ratio also declined during this period, falling by more than two-fifths, from 8.6 deaths per 1,000 live births in 1979 to 4.8 in 2003.

There were 55 resident fetal deaths and 77 resident infant deaths in Montana in 2003. Frequencies of infant and fetal deaths by Montana County of occurrence and residence appear in **Table S-2**. **Table S-3** shows the frequency of fetal deaths by the mother's race and county of residence. The number of infant deaths and five-year infant mortality rates by Montana County of residence appear in **Table D-8**.

Selected causes of death by age and sex for Montana resident infants are shown in **Table D-1** and in **Table D-7**. (See **Figure 2** for a complete listing of all 358 potential causes that could appear in Table D-1. See **Figure 4** for a complete list of the 130 potential causes that could appear in Table D-7.) Sudden infant death syndrome (SIDS) together with congenital malformations, deformations, and chromosomal anomalies caused more than two-fifths of all infant deaths in 2003.

Table F-1 shows the frequency of fetal deaths by race, sex, gestational age, and selected cause of fetal death. (See **Figure 5** for a complete list of the124 potential causes that could appear in Table F-1.) **Table S-4** shows the frequency of fetal, infant and child deaths by county of residence.

AGE-SPECIFIC AND AGE-ADJUSTED DEATH RATES

Most death rates presented in this report are crude rates, unadjusted for demographic factors such as age, sex, or race that will likely affect the risk of mortality. Crude cause-specific rates express the frequency of mortality from a certain underlying cause of death as a proportion of the resident population. They express the risk (average chance) of dying from the specific cause of death cited. They are useful in making comparisons, within a single resident population, of the mortality risks associated with different causes. However, their use for comparisons between populations--the Montana resident population in different years, for instance--is limited. (Because the resident populations of Montana in different years had different age compositions, they are considered to be different populations.)

In the past, the resident population of Montana (and of the Nation) was considerably younger than it is now; younger residents represented a smaller percentage of the population in the first years of the 21st Century than they did only a decade before. In such cases, age-adjustment is helpful for a more meaningful comparison of mortality rates.

Age-adjusted death rates should be interpreted as index numbers rather than direct measures of mortality risk. They are useful for making comparisons between populations (where demographic variables such as the overall age of the population may differ), but not for making comparisons within any single population. They are designed to "adjust" for differences in the age compositions of resident populations in different years by applying observed (i.e. actual) age-specific mortality rates to a hypothetical population with an unchanging age composition. By standardizing in this way, age-adjusted death rates help address issues such as whether an increasing or decreasing death rate is due merely to an aging population or whether some other factors are involved.

For instance, one can compare the Montana age-adjusted death rate for heart disease in different years in order to identify any trends in mortality. It is inadvisable, however, to compare the age-adjusted rate for heart disease to that for cancer within any given year, or from one year to another. While it is tempting to be concerned with the numerical value of the age-adjusted rate, this is also inadvisable because of the sensitivity of the quantitative value to the choice of a standard population.

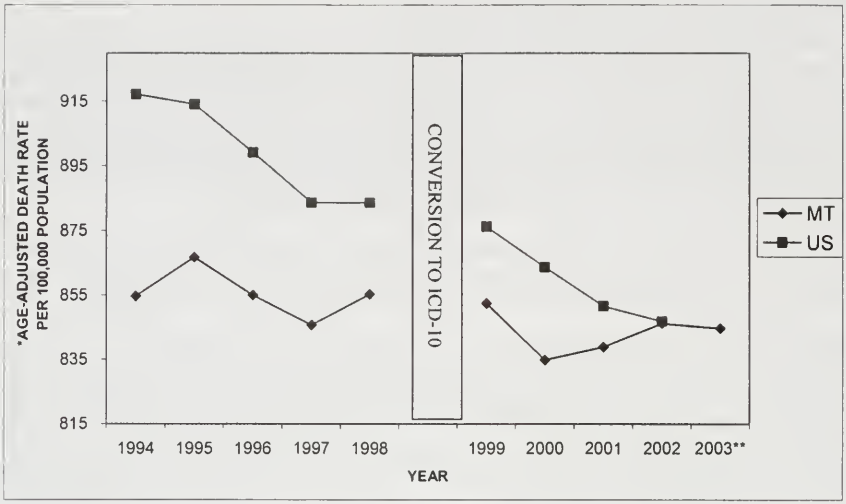
Figures 18 through 47 display age-adjusted death rates for several of the leading causes of death in Montana and the United States. These rates are age-adjusted with the direct method to the projected U.S. population for the year 2000. As with any summary statistic, age-adjusted death rates mask much of the underlying complexity in the mortality experience of the population. Hence, Montana's age-specific death rates are also shown for each cause of death displayed.

Because of the small number of deaths in certain age categories, many of the age-specific rates (e.g. those for chronic liver disease and cirrhosis, motor vehicle accidents, and suicide) may be statistically unstable or present somewhat confusing patterns. However, for several causes of death, such rates present a clear pattern and add useful information about the burden of particular causes of death among the age groups. Age-specific rates for all causes of death are represented here so the reader can judge their usefulness for him or herself.

When analyzing trends in cause-specific age-adjusted death rates, one should remember that the change from one revision of ICD to another (from the ICD-9 to ICD-10 in this case) can dramatically affect the apparent rates for some underlying cause of death, since different revisions (and subsequent changes in rules of classification and selection) can result in different underlying causes for a death record. Underlying causes of death were determined using the conventions of ICD-9 in the years prior to 1999 and the conventions of ICD-10 thereafter. This change is marked in the following graphs with a vertical bar.

Figure 17

AGE-ADJUSTED* DEATH RATES FOR ALL CAUSES OF DEATH
MONTANA AND U.S. RESIDENTS, 1994-2003



* Adjusted with the direct method to the projected 2000 U.S. population.
** The U.S. rate for 2003 is not yet available.

Figure 18

AGE-SPECIFIC DEATH RATES FOR ALL CAUSES OF DEATH
MONTANA RESIDENTS, 1994-2003

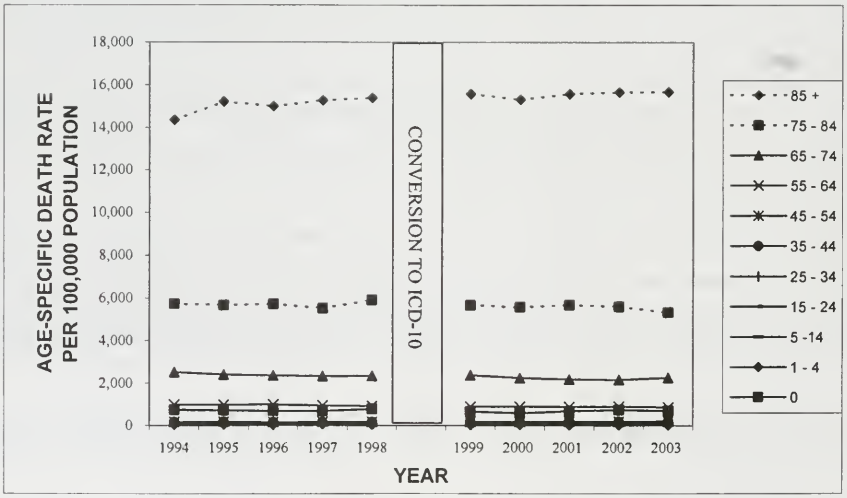
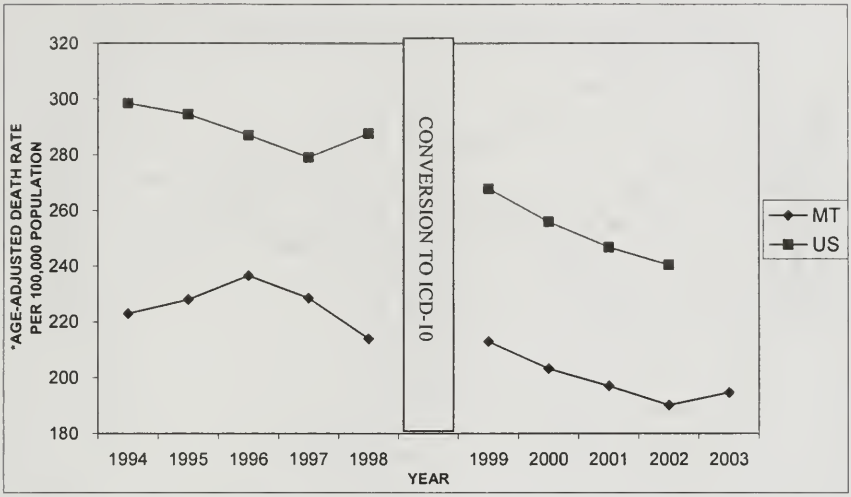


Figure 19

AGE-ADJUSTED* DEATH RATES FOR HEART DISEASE
ICD-9: 390-398, 402, 404, 410-429; ICD-10: I00-I09, I11, I13,I20-I51
MONTANA AND U.S. RESIDENTS, 1994-2003



* Adjusted with the direct method to the projected 2000 U.S. population.
** The U.S. rate for 2003 is not yet available.

Figure 20

AGE-SPECIFIC DEATH RATES FOR HEART DISEASE
ICD-9: 390-398, 402, 404, 410-429; ICD-10: I00-I09, I11, I13,I20-I51
MONTANA RESIDENTS, 1994-2003

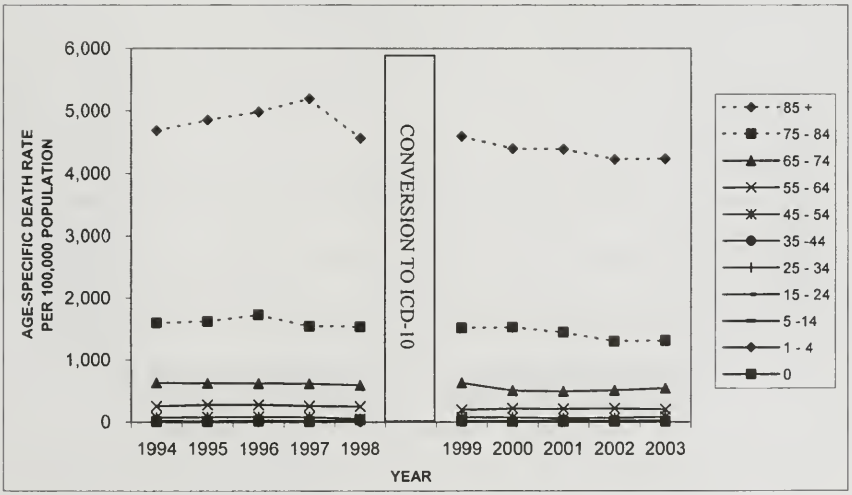
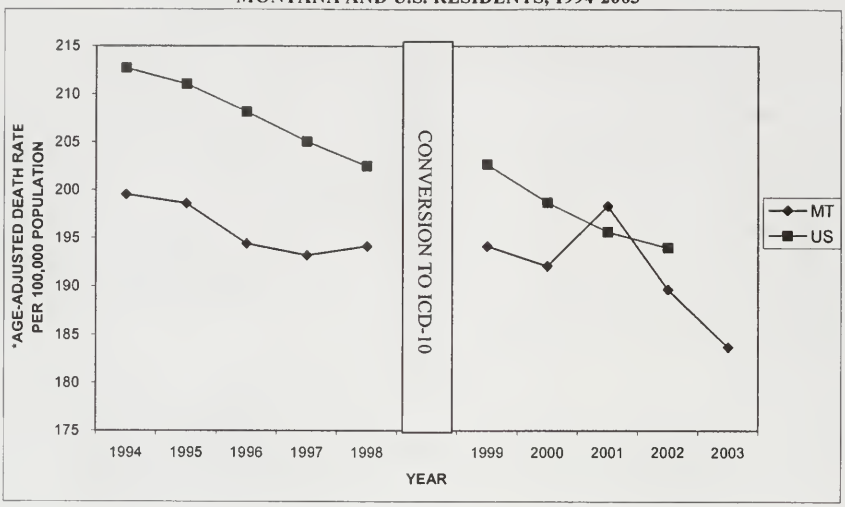


Figure 21

AGE-ADJUSTED* DEATH RATES FOR CANCER
ICD-9: 140-208; ICD-10: C00-C97
MONTANA AND U.S. RESIDENTS, 1994-2003



* Adjusted with the direct method to the projected 2000 U.S. population.
** The U.S. rate for 2001 is preliminary and the rate for 2002 is not yet available.

Figure 22

AGE-SPECIFIC DEATH RATES FOR CANCER
ICD-9: 140-208; ICD-10: C00-C97
MONTANA RESIDENTS, 1994-2003

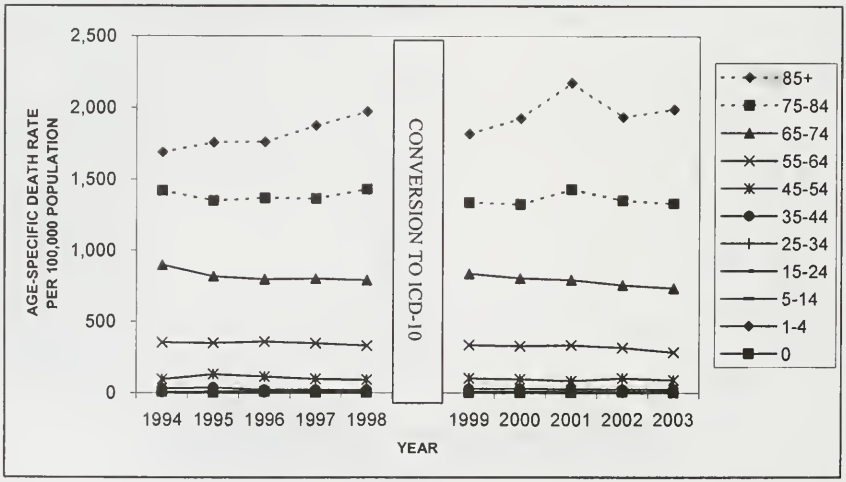
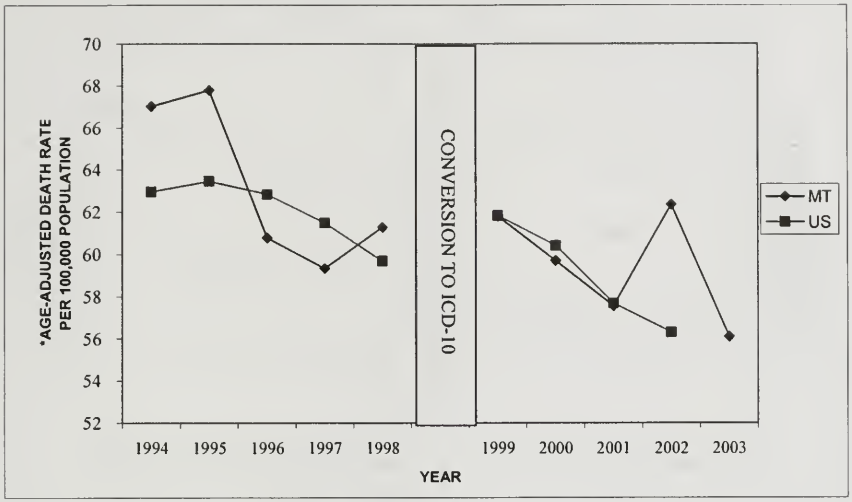


Figure 23

AGE-ADJUSTED* DEATH RATES FOR CEREBROVASCULAR DISEASE
ICD-9 : 430-434, 436-438; ICD-10:I60-I699
MONTANA AND U.S. RESIDENTS, 1994-2003



* Adjusted with the direct method to the projected 2000 U.S. population.
** The U.S. rate for 2003 is not yet available.

Figure 24

AGE-SPECIFIC DEATH RATES FOR CEREBROVASCULAR DISEASE
ICD-9 : 430-434, 436-438; ICD-10:I60-I699
MONTANA RESIDENTS, 1994-2003

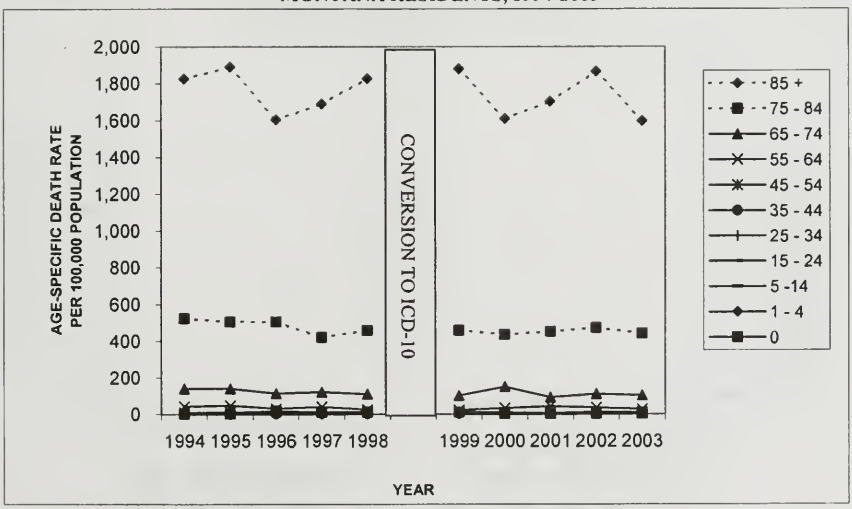
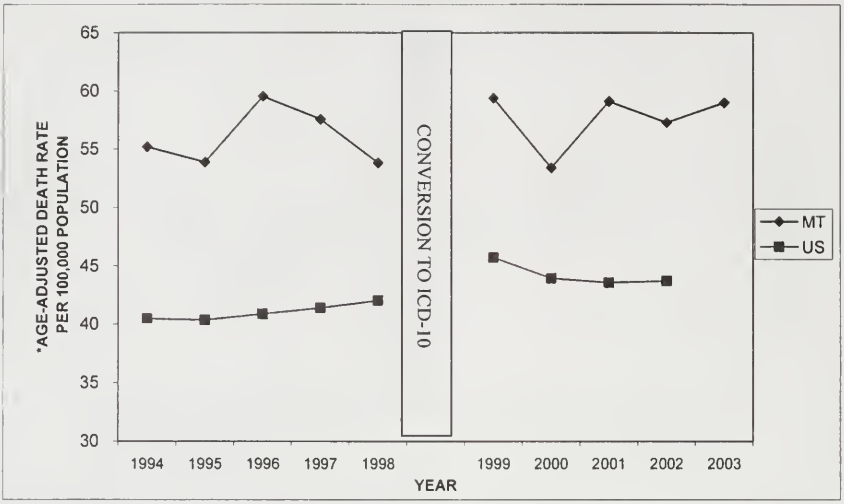


Figure 25

AGE-ADJUSTED* DEATH RATES FOR CHRONIC LOWER RESPIRATORY DISEASES
ICD-9: 490-496; ICD-10: J40-J49, J67***
MONTANA AND U.S. RESIDENTS, 1994-2003



* Adjusted with the direct method to the projected 2000 U.S. population.
** The U.S. rate for 2003 is not yet available.
***The Frequencies for Montana were exactly the same for C.O.P.D. coded events

Figure 26

AGE-SPECIFIC DEATH RATES FOR CHRONIC LOWER RESPIRATORY DISEASES
ICD-9: 490-496; ICD-10: J40-J49, J67
MONTANA RESIDENTS N, 1994-2003

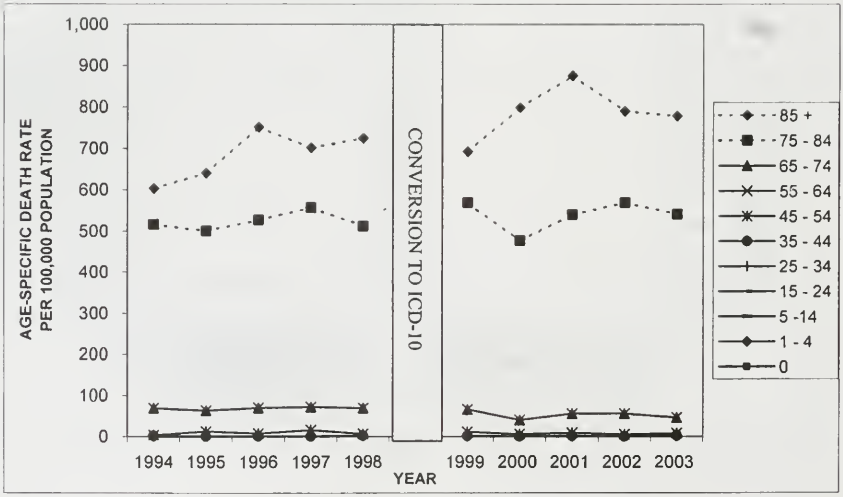
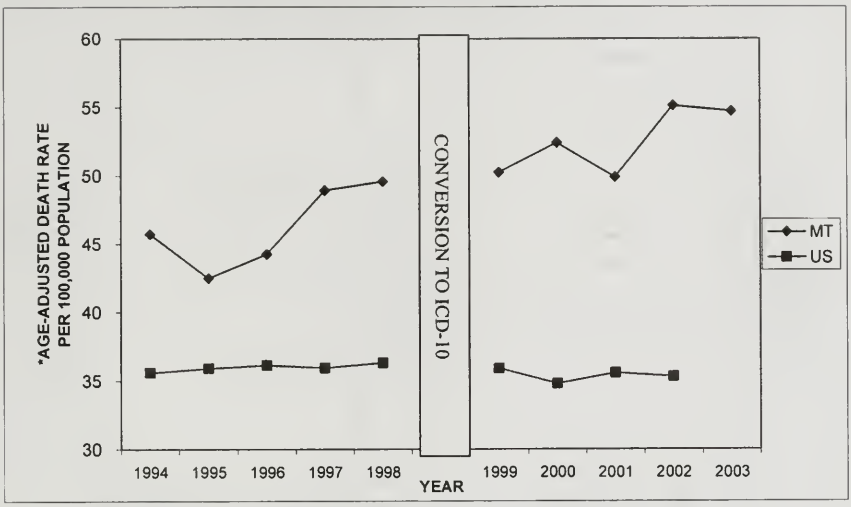


Figure 27

AGE-ADJUSTED* DEATH RATES FOR ACCIDENTS
ICD-9: E800-E869, E880-E929; ICD-10: V01-X59, Y85-Y86
MONTANA AND U.S. RESIDENTS, 1994-2003



* Adjusted with the direct method to the projected 2000 U.S. population.
** The U.S. rate for 2003 is not yet available.

Figure 28

AGE-SPECIFIC DEATH RATES FOR ACCIDENTS
ICD-9: E800-E869, E880-E929; ICD-10: V01-X59, Y85-Y86
MONTANA RESIDENTS, 1994-2003

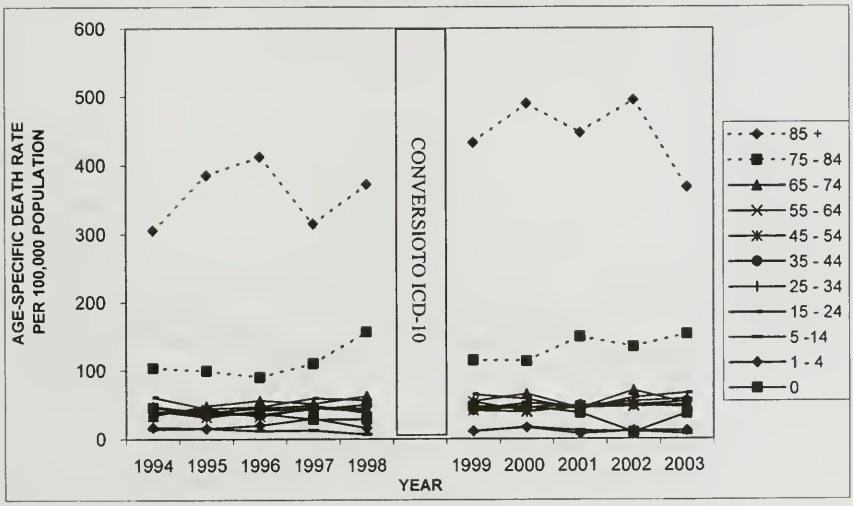
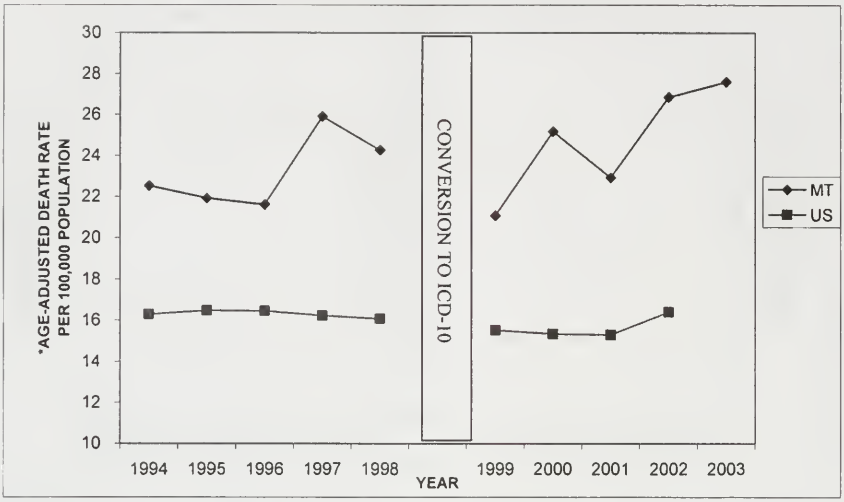


Figure 29

AGE-ADJUSTED* DEATH RATES FOR MOTOR VEHICLE ACCIDENTS
ICD-9: E810-E825; ICD-10: V02-V04, V09.0, V09.2, V12-V14 V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8 V88.0-V88.8, V89.0, V89.2
MONTANA RESIDENTS, 1994-2003



* Adjusted with the direct method to the projected 2000 U.S. population.
** The U.S. rate for 2003 is not yet available.

Figure 30

AGE-SPECIFIC DEATH RATES FOR MOTOR VEHICLE ACCIDENTS
ICD-9: E810-E825; ICD-10: V02-V04, V09.0, V09.2, V12-V14 V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8 V88.0-V88.8, V89.0, V89.2
MONTANA RESIDENTS, 1994-2003

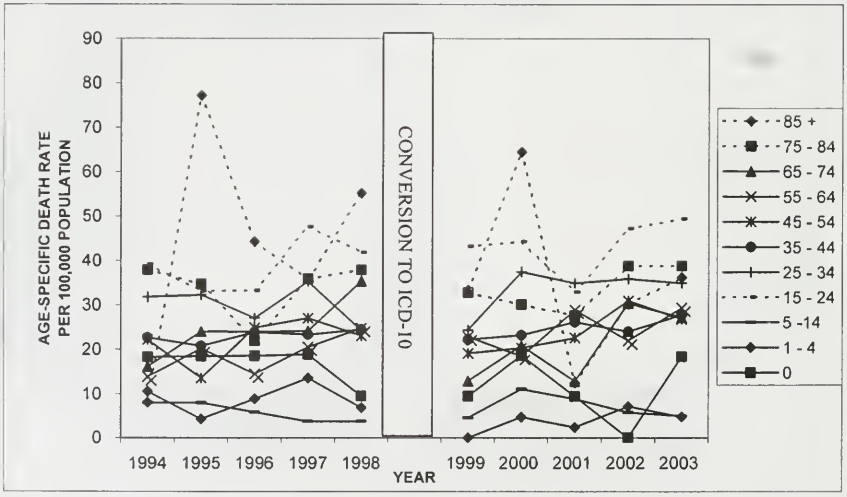
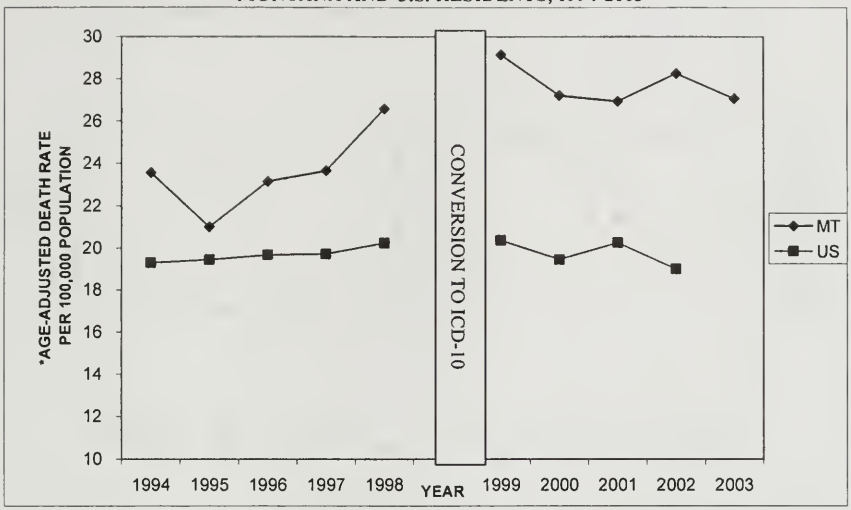


Figure 31

AGE-ADJUSTED* DEATH RATES FOR NON-MOTOR-VEHICLE ACCIDENTS
ICD-9: E800-E807, E826-E949 ; ICD-10: V01, V05-V08, V09.1, V09.3-V11, V15-V18,V19.3, V19.7-V19.9, V80.1-V80.2, V80.6-V80.9, V81.2-V81.9, V82.2-V82.9, V87.9, V88.9 , V89.3-X59, Y85-Y86
MONTANA AND U.S. RESIDENTS, 1994-2003



* Adjusted with the direct method to the projected 2000 U.S. population
** The U.S. rate for 2003 is not yet available..

Figure 32

AGE-SPECIFIC DEATH RATES FOR NON-MOTOR-VEHICLE ACCIDENTS
ICD-9: E800-E807, E826-E949 ; ICD-10: V01, V05-V08, V09.1, V09.3-V11, V15-V18,V19.3, V19.7-V19.9, V80.1-V80.2, V80.6-V80.9, V81.2-V81.9, V82.2-V82.9, V87.9, V88.9 , V89.3-X59, Y85-Y86
MONTANA RESIDENTS, 1994-2003

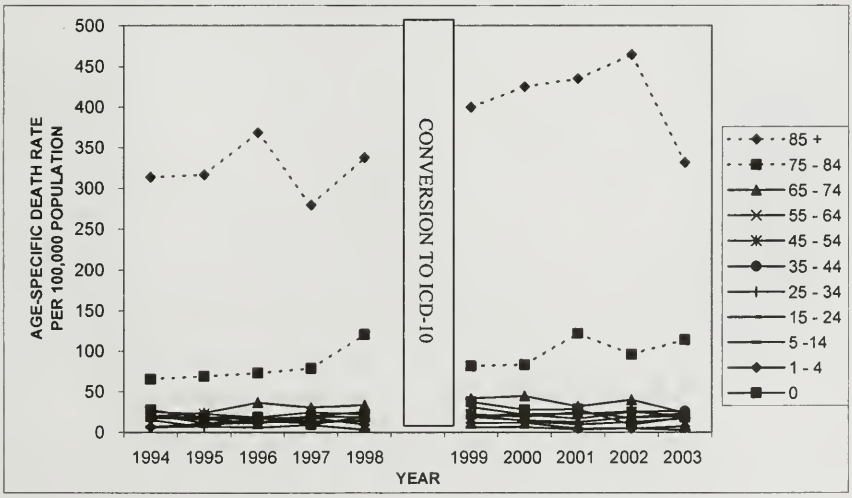
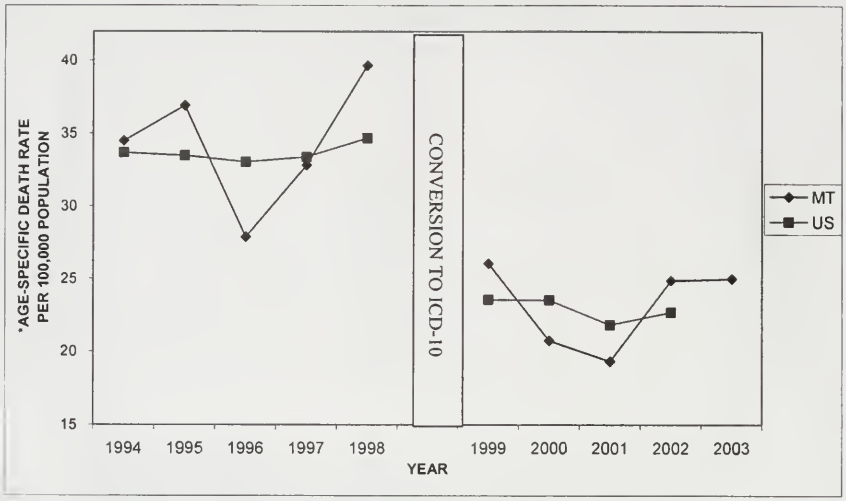


Figure 33

AGE-ADJUSTED*DEATH RATES FOR PNEUMONIA AND INFLUENZA
ICD-9: 480-487; ICD-10: J10-J18
MONTANA AND U.S. RESIDENTS, 1994-2003



* Adjusted with the direct method to the projected 2000 U.S. population.
** The U.S. rate for 2003 is not yet available.

Figure 34

AGE-SPECIFIC DEATH RATES FOR PNEUMONIA AND INFLUENZA
ICD-9: 480-487; ICD-10: J10-J18
MONTANA RESIDENTS, 1994-2003

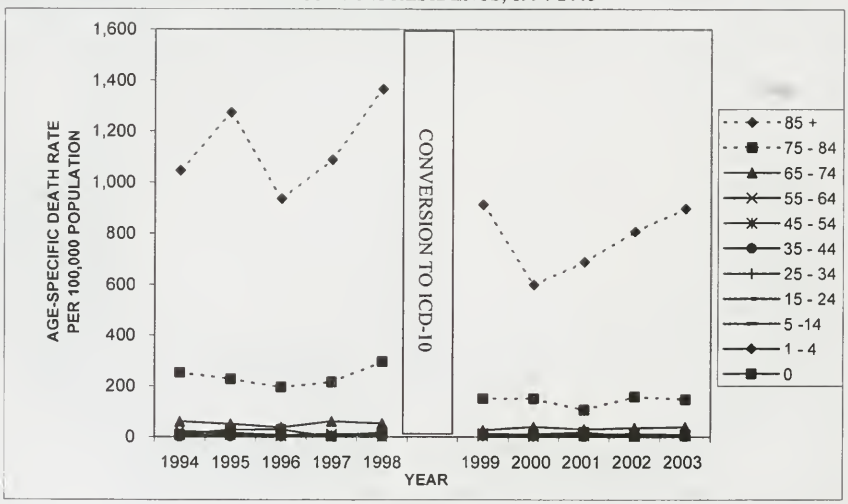
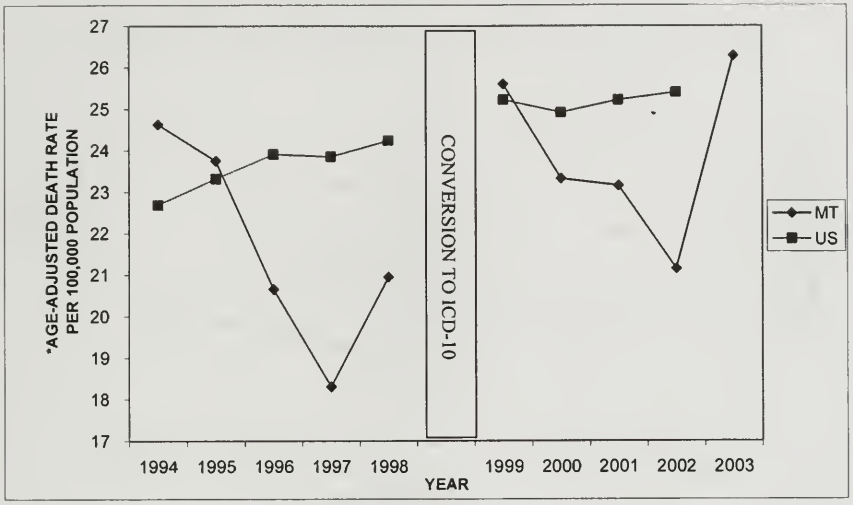


Figure 35

AGE-ADJUSTED* DEATH RATES FOR DIABETES
ICD-9: 250; ICD-10: E10-E14
MONTANA AND U.S. RESIDENTS, 1994-2003



* Adjusted with the direct method to the projected 2000 U.S. population.
** The U.S. rate for 2003 is not yet available.

Figure 36

AGE-SPECIFIC DEATH RATES FOR DIABETES
ICD-9: 250; ICD-10: E10-E14
MONTANA RESIDENTS, 1994-2003

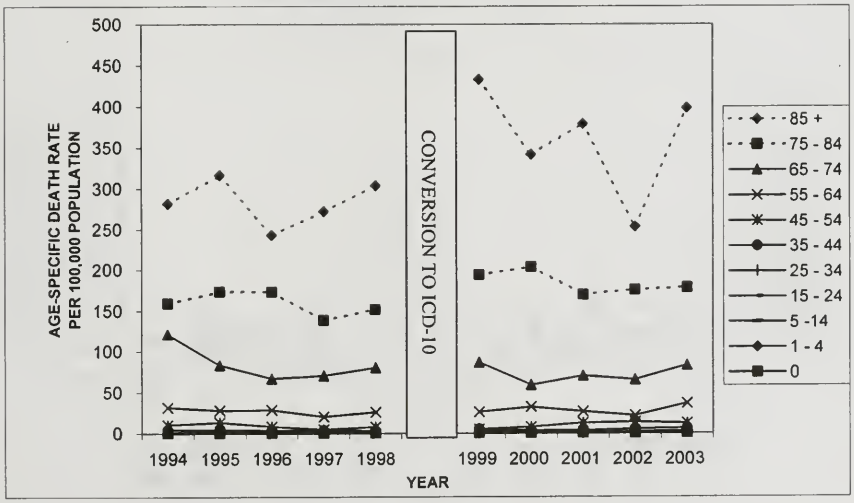
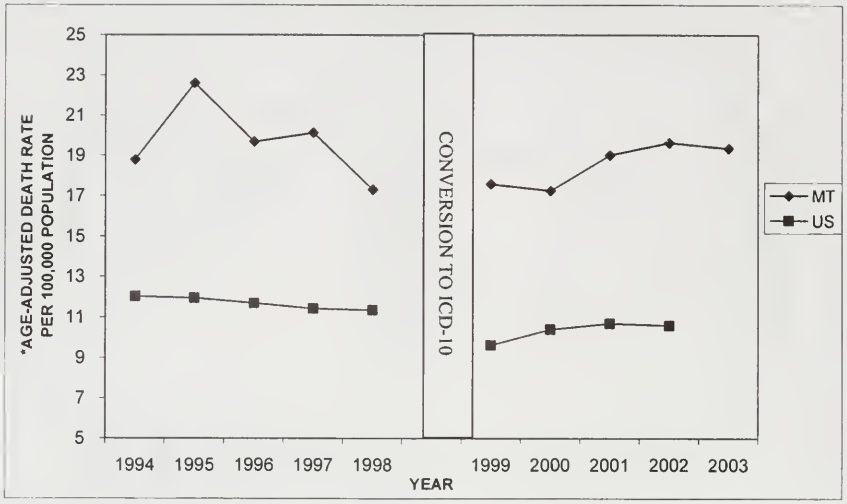


Figure 37

AGE-ADJUSTED* DEATH RATES FOR SUICIDE
ICD-9: E950-E959; ICD-10: X60-X84, Y87.0
MONTANA AND U.S. RESIDENTS, 1994-2003



* Adjusted with the direct method to the projected 2000 U.S. population.
** The U.S. rate for 2001 is preliminary and the rate for 2002 is not yet available.

Figure 38

AGE-SPECIFIC DEATH RATES FOR SUICIDE
ICD-9: E950-E959; ICD-10: X60-X84, Y87.0
MONTANA RESIDENTS, 1994-2003

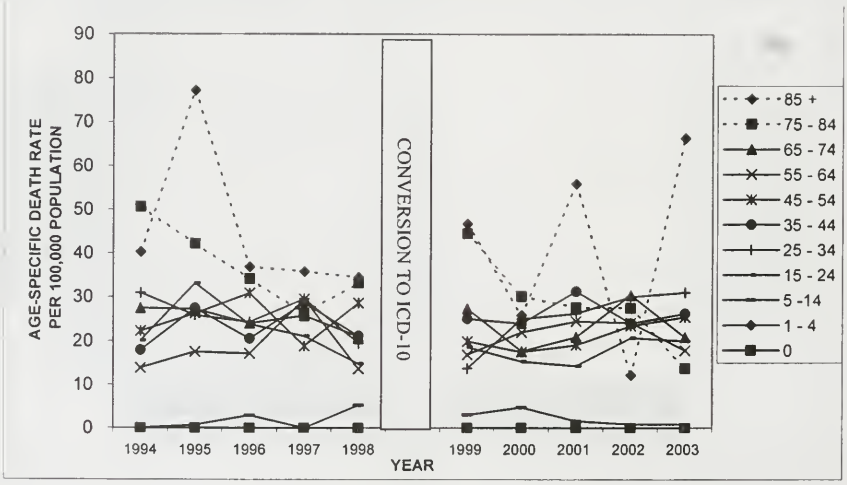
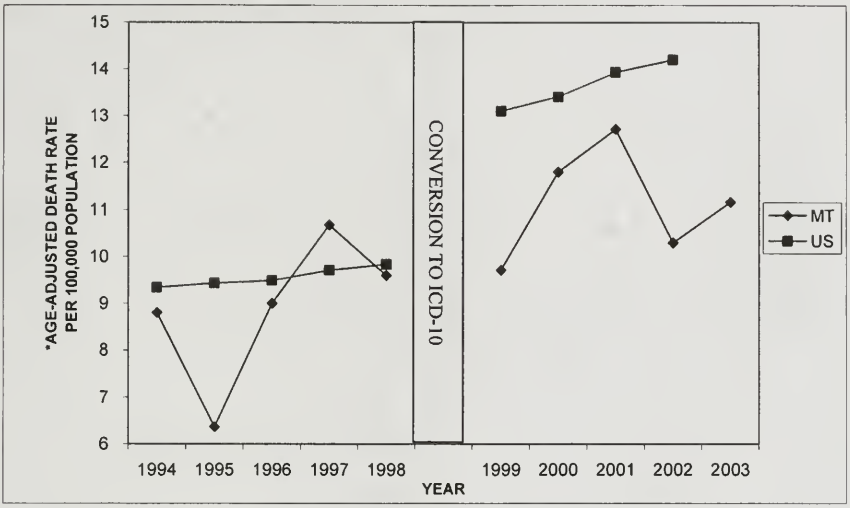


Figure 39

AGE-ADJUSTED* DEATH RATES FOR NEPHRITIS, NEPHROTIC SYNDROME, AND NEPHROSIS
ICD-9: 580-589; ICD-10: N00-N07, N17-N19, N25-N27
MONTANA AND U.S. RESIDENTS, 1994-2003



* Adjusted with the direct method to the projected 2000 U.S. population.
** The U.S. rate for 2001 is preliminary and the rate for 2002 is not yet available.

Figure 40

AGE-SPECIFIC DEATH RATES FOR NEPHRITIS, NEPHROTIC SYNDROME, AND NEPHROSIS
ICD-9: 580-589; ICD-10: N00-N07, N17-N19, N25-N27
MONTANA RESIDENTS, 1994-2003

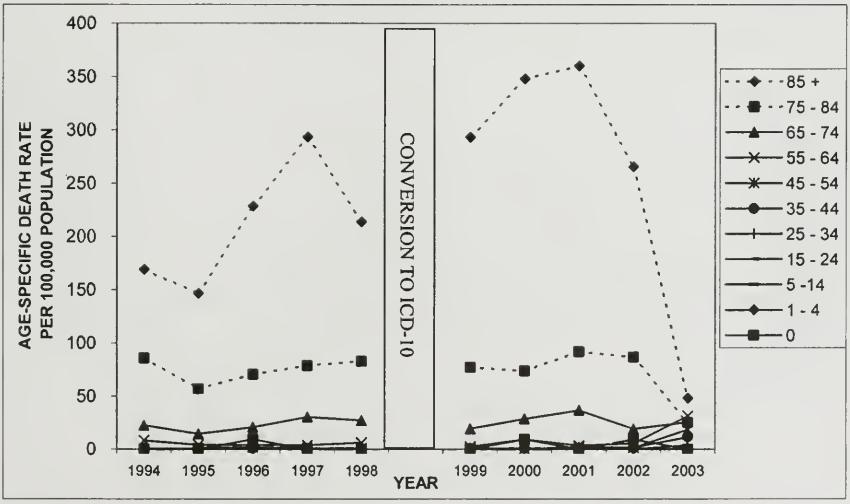
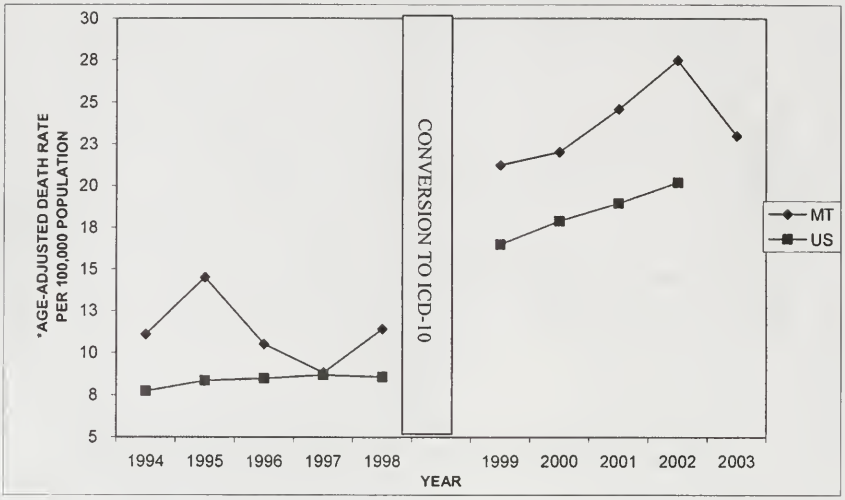


Figure 41

AGE-ADJUSTED* DEATH RATES FOR ALZHEIMER'S DISEASE
ICD-9: 331.0; ICD-10: G30
MONTANA AND U.S. RESIDENTS, 1994-2003



* Adjusted with the direct method to the projected 2000 U.S. population.
** The U.S. rate for 2001 is preliminary and the rate for 2002 is not yet available.

Figure 42

AGE-SPECIFIC DEATH RATES FOR ALZHEIMER'S DISEASE
ICD-9: 331.0; ICD-10: G30
MONTANA RESIDENTS, 1994-2003

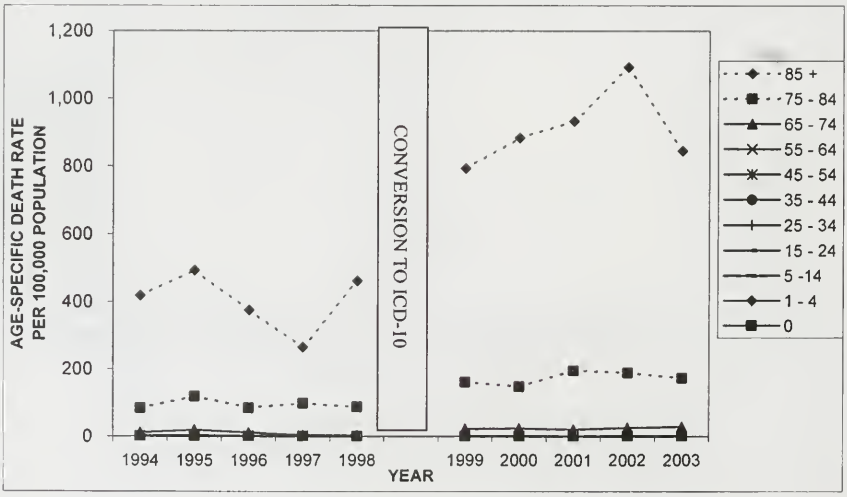
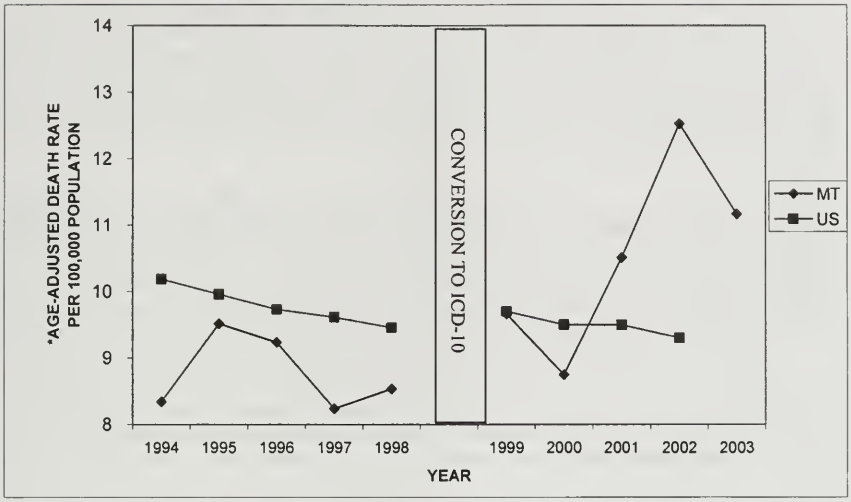


Figure 43

AGE-ADJUSTED* DEATH RATES FOR CHRONIC LIVER DISEASE AND CIRRHOSIS
ICD-9: 571; ICD-10: K70, K73-K74
MONTANA AND U.S. RESIDENTS, 1994-2003



* Adjusted with the direct method to the projected 2000 U.S. population.
** The U.S. rate for 2003 is not yet available.

Figure 44

AGE-SPECIFIC DEATH RATES FOR CHRONIC LIVER DISEASE AND CIRRHOSIS
ICD-9: 571; ICD-10: K70, K73-K74
MONTANA RESIDENTS, 1994-2003

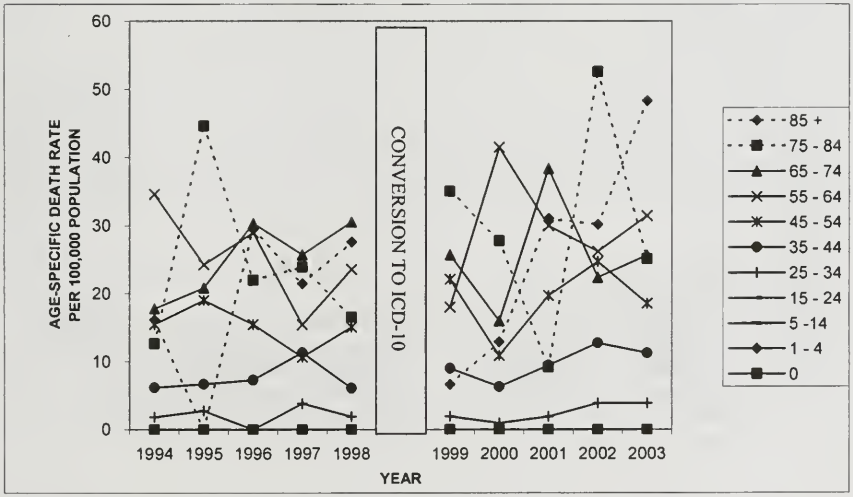
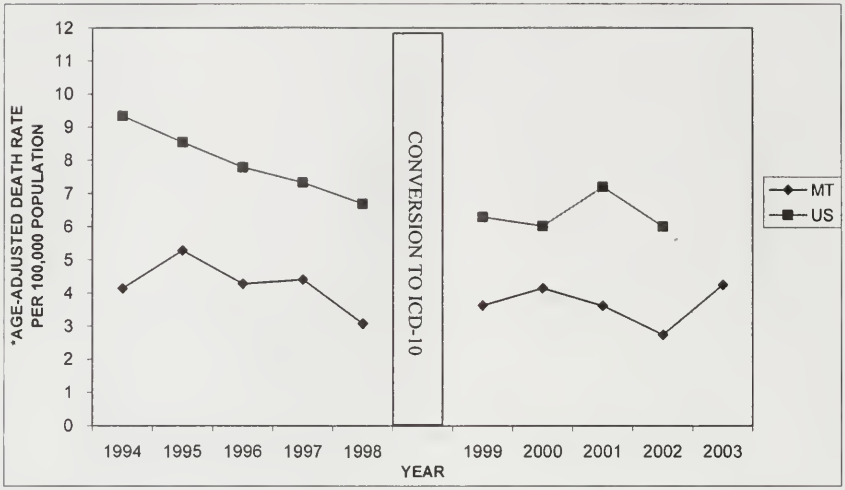


Figure 45

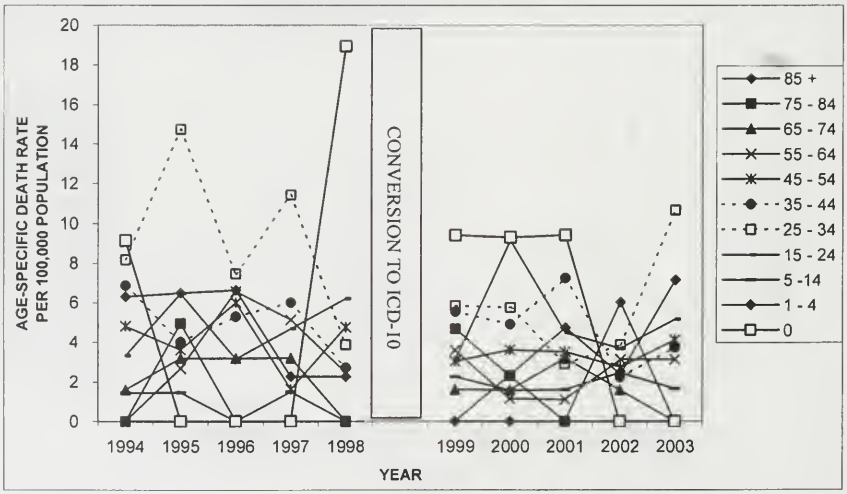
AGE-ADJUSTED DEATH RATES FOR HOMICIDE AND LEGAL INTERVENTION
ICD-9 : 960-978; ICD-10 : Y35, X85-Y09, Y871, Y890
MONTANA AND U.S. RESIDENTS, 1994-2003



* Adjusted with the direct method to the projected 2000 U.S. population.
** The U.S. rate for 2003 is not yet available.

Figure 46

AGE-SPECIFIC DEATH RATES FOR HOMICIDE AND LEGAL INTERVENTION
ICD-9 : 960-978; ICD-10 : Y35, X85-Y09, Y871, Y890
MONTANA RESIDENTS, 1994-2003



In all years displayed, Montana's overall (i.e. all cause) age-adjusted death rates are below or equal to those for the U.S. Montana's age-adjusted rates are also below those for the U.S. for many of the chronic diseases displayed; Montana's rates for heart disease, cancer, and nephritis (nephritis, nephrotic syndrome, and nephrosis) were lower than those for the U.S in eight or nine of the nine years for which both Montana and U.S. values are displayed. Montana's rates for, chronic liver disease and cirrhosis were lower than U.S. rates in all of the ICD-9 years but the same or higher in the ICD-10 years. Montana's rates for one traumatic cause of death, homicide and legal intervention, were lower than the corresponding U.S. rates in all years displayed. These underlying causes accounted for slightly less than half (46.8%) of all deaths of Montanans in 2003.

Montana's rates for cerebrovascular disease, pneumonia and influenza, and diabetes showed inconsistent relationships with the U.S. rates, with the trend lines crossing each other more than once in this period. Diabetes rates for Montana were higher than those for the U.S. in two of the five years in which underlying cause of death was determined with the rules of ICD-9 and one (possibly, two) times there-after. The U.S. diabetes rate seems relatively unaffected by the conversion to ICD-10. The Montana diabetes rate appears less stable before and after the conversion, but this may be the result of a change in a relatively small number of deaths from diabetes and have nothing to do with the revision of ICD.
Montana's rates for cerebrovascular disease were higher than those of the U.S. for three of the five years in which ICD-9 coding rules were used. With the exception of one year' rate, Montana and U.S. rates for this cause have been nearly identical under ICD-10 coding rules.

The state rates for chronic lower respiratory disease (C.L.R.D.)--which includes chronic and unspecified bronchitis, emphysema, and asthma--were higher than those for the U.S. in all years displayed. Revision of ICD did not change this relationship. Montana's Alzheimer's rate was virtually the same as that of the U.S. in 1997, but higher in all other years. Revision of ICD substantially increased Alzheimer's rate for both Montana and U.S.

Montana's rates for most unintentional traumatic causes of death; accident (both motor vehicle and non-motor- vehicle) and suicide rates were higher than those for the nation in all years displayed, irrespective of the ICD coding rules. While U.S. death rates for accidents seem stable, Montana's are increasing for both motor vehicle and perhaps for non-motor- vehicle accidents. Neither the accident nor the suicide rates appear to have been affected greatly by ICD revision.

These graphs show secular (i.e. long-term, despite occasional instability in the short-term) reductions in Montana's age-adjusted death rates for specific chronic diseases such as heart disease, cancer, pneumonia and influenza, and cerebrovascular disease. The rates for Alzheimer's, chronic liver disease and cirrhosis, and nephritis are on the increase, although the trends are somewhat inconsistent and, in some cases, possibly affected by the conversion of ICD coding.

The rates for C.L.R.D and suicide are apparently neither increasing nor decreasing consistently.

For both Montana and the U.S., age-adjusted death rates for nephritis and Alzheimer's increased after the introduction of ICD-10, suggesting that, to some degree, the increase reflects conversion to the new revision of ICD. The rate for pneumonia and influenza decreased after the conversion to ICD-10. These results are consistent with the comparability ratios for these causes discussed earlier. (See **Figure 1** in the Technical Overview.)

AGE, SEX, AND RACE

Cause of death is age, sex, and race-dependent. Males were more likely to die of many of the leading causes of death listed in **Table S-7**. While 1,096 males died of heart disease, only 878 females did so. Cancer claimed 961 males and only 877 females. More males than females also died of diabetes, chronic lower respiratory diseases, chronic liver disease and cirrhosis. The larger difference between males and females, however, was seen in deaths from traumatic causes. Over seventy percent more males than females died of accidents (327 as opposed to 188). Over eighty percent more males than females died of homicide (24 as opposed to 13). Finally, nearly four and a half times as many males as females committed suicide (146 as opposed to 33).

It is also instructive than slightly more than a quarter of the Native Americans who died in 2003 died of one of the traumatic causes, while less than ten percent (8.65%) of white were claimed by these causes. Accidents caused nearly 20 percent of Native American deaths but only a little more than six percent of the deaths of whites. Suicide was the underlying cause for 2.74% of Native American deaths but only 2.12% of the deaths of whites. Homicide claimed 2.74% of the Native Americans who died in 2003, but only 0.44% of the whites.

Accidents were more likely to cause the deaths of the young than the old. They accounted for 16% of the deaths of those 14 years of age or younger, 60.4% of the deaths of those between the ages of 15 and 24, and 39.2% of those between the ages of 25 and 34 years. By contrast, accidents accounted for 6.1% of the deaths in the entire population. Suicide was the cause of death for 16.2% of the decedents between the ages of 15 and 44. By contrast, it was the cause of death for only 2.1% of decedents of all ages. Of the suicide victims, 81.6% were males. Suicides using firearms, 88% were males compared to suicides by self-poisoning where 64% were females.

For decedents more than 34 years of age, chronic diseases—particularly heart disease and cancer—increased in influence. Cancer, followed by heart disease, was the leading cause of death for all of the age categories between 45 and 74 years. However, for the age categories 75 and older, heart disease was the leading cause, with cancer second.

For the all-age category, heart disease (23.4 %) was the leading cause of death, followed closely by cancer (21.8%). Chronic lower respiratory disease (C.L.R.D.) at 7%, Cerebrovascular disease (6.8 %) and accidents (6.1%) were a distant third, fourth, and fifth, respectively. Frequencies and crude rates for the ten leading causes of death are shown for Montana and each of its counties in **Table S-6**.

Figure 47 displays frequencies of death for Montanans in 2003 by race, sex, and selected major causes of death.

Figure 47

FREQUENCY OF DEATH BY SELECTED CAUSE, RACE, AND SEX
MONTANA RESIDENTS, 2003

Cause of Death	All Races Male	All Races Female	White Male	White Female	Native American Male	Native American Female
All Causes	4,332	4,113	3,649	3,558	231	171
Cancer	1,096	878	943	788	37	28
Diabetes	961	877	842	754	24	34
Heart Disease	138	125	107	103	16	11
Pneumonia & Influenza	109	148	93	134	4	5
Chronic Lower Respiratory Disease	298	289	260	260	12	5
Chronic Liver Disease & Cirrhosis	67	44	53	28	7	11
Perinatal Causes	8	15	6	10	0	2
Accidents	327	188	225	139	60	20
Suicide	146	33	131	29	9	2
Homicide	24	13	13	6	7	4
Other Causes	1,158	1,503	976	1,307	55	49

As was mentioned in the discussion of race on page six, the Montana death certificate, beginning in 2003, records race in greater detail than in the past. Not only are more racial categories used, but informants are also specifically asked to name all of the several classifications that may apply to a decedent. The result of this additional prompting has been a much greater proportion of decedents classified by two or more races. This different manner of counting deaths by race could very possibly alter the outcome of mortality ratios calculated for the various races and affect apparent racial disparities. **Figure 48** displays the distribution of decedents by race for the last decade.

Figure 48

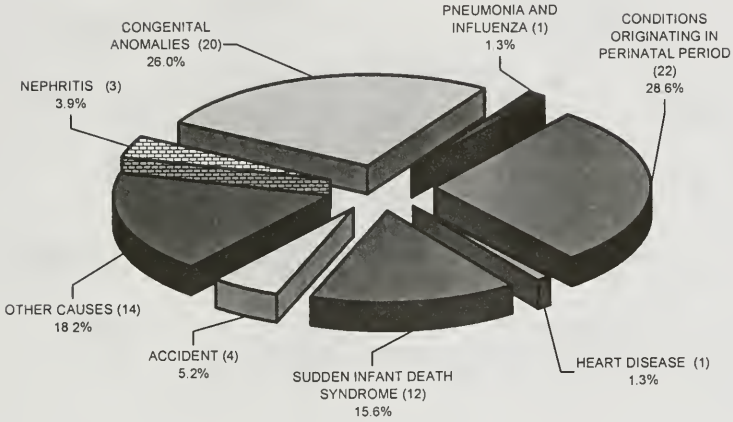
FREQUENCY AND PERCENT DISTRIBUTION OF DEATH
BY RACE AND SEX
MONTANA RESIDENTS, 1994-2003

RACE	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
ALL RACES	7,331	7,614	7,686	7,730	7,960	8,081	8,071	8,252	8,473	8,445
WHITE	6,968	7,225	7,340	7,374	7,590	7,617	7,668	7,839	8,003	7,207
Percent	95.0	94.9	95.5	95.4	95.4	94.3	95.0	95.0	94.5	85.3
NATIVE AMERICAN	331	360	316	333	345	429	366	385	433	402
Percent	4.5	4.7	4.1	4.3	4.3	5.3	4.5	4.7	5.1	4.8
MULTI-RACE	1	1	0	1	1	0	0	0	1	791
Percent	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.4
OTHER SINGLE RACE	28	26	27	21	20	32	36	25	34	41
Percent	0.4	0.3	0.4	0.3	0.3	0.4	0.4	0.3	0.4	0.5
UNKNOWN	3	2	3	1	4	3	1	3	2	4
Percent	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0

Figure 49

LEADING CAUSES OF DEATH BY AGE
MONTANA RESIDENTS, 2003

UNDER 1 YEAR OF AGE, TOTAL (77)



1 - 4 YEARS OF AGE, TOTAL (12)

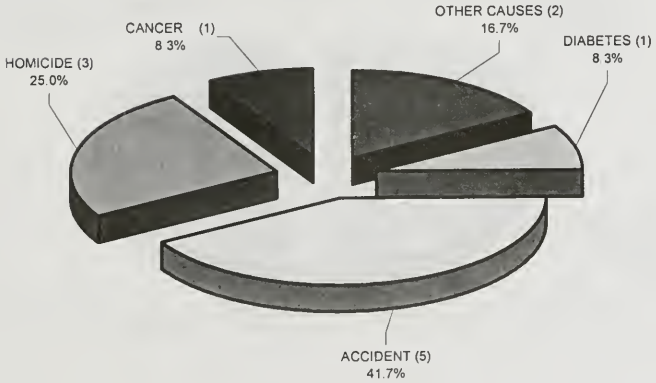
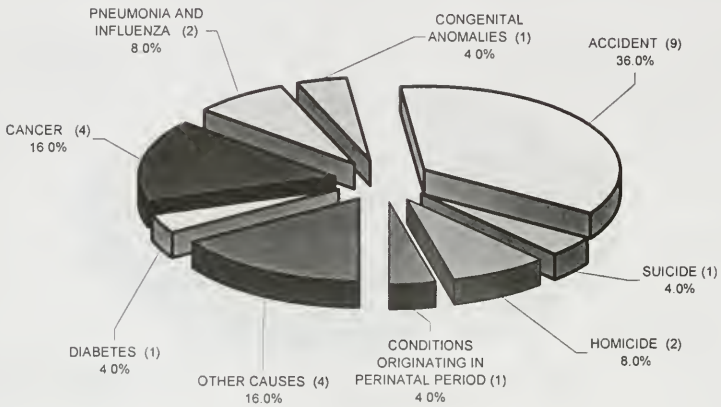


Figure 49 (Continued)

LEADING CAUSES OF DEATH BY AGE
MONTANA RESIDENTS, 2003

5 - 14 YEARS OF AGE, TOTAL (25)



15 - 24 YEARS OF AGE, TOTAL (149)

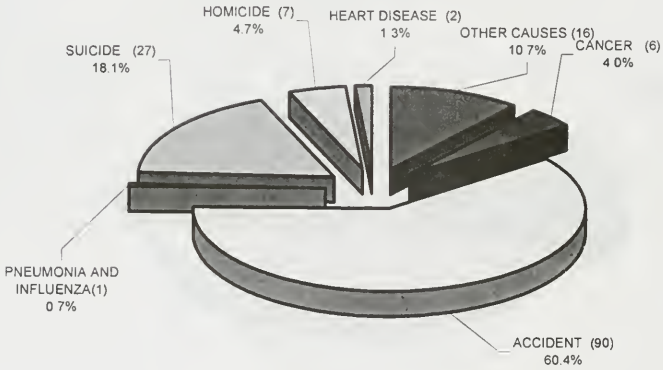
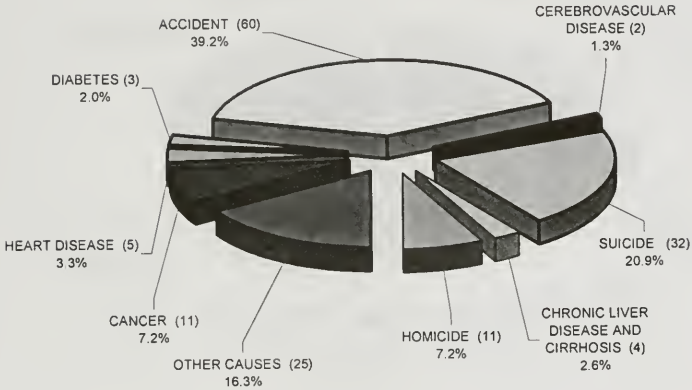


Figure 49 (Continued)

LEADING CAUSES OF DEATH BY AGE
MONTANA RESIDENTS, 2003

25 - 34 YEARS OF AGE, TOTAL (153)



35 - 44 YEARS OF AGE, TOTAL (277)

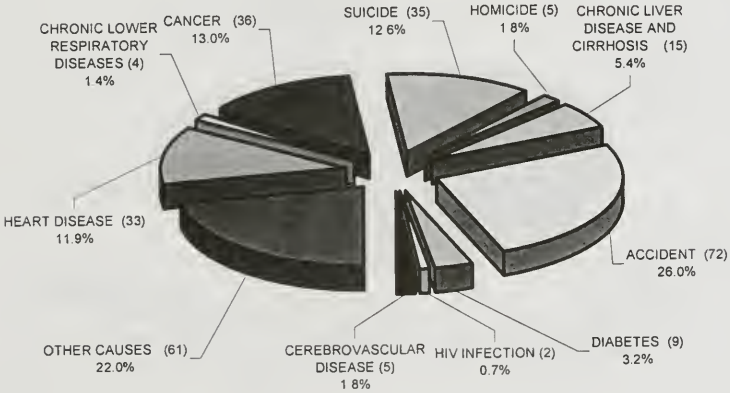
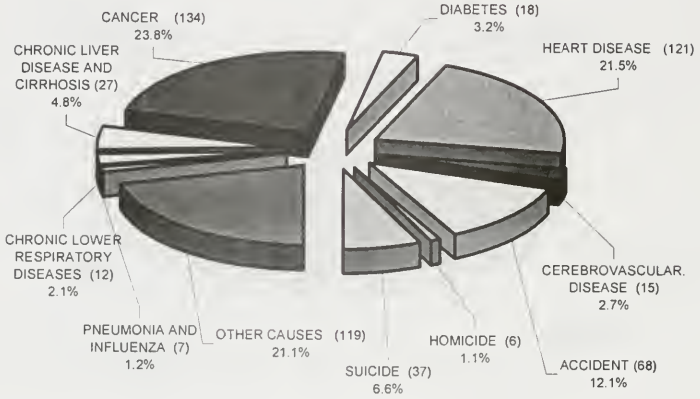


Figure 49 (Continued)

LEADING CAUSES OF DEATH BY AGE
MONTANA RESIDENTS, 2003

45 - 54 YEARS OF AGE, TOTAL (564)



55 - 64 YEARS OF AGE,TOTAL (834)

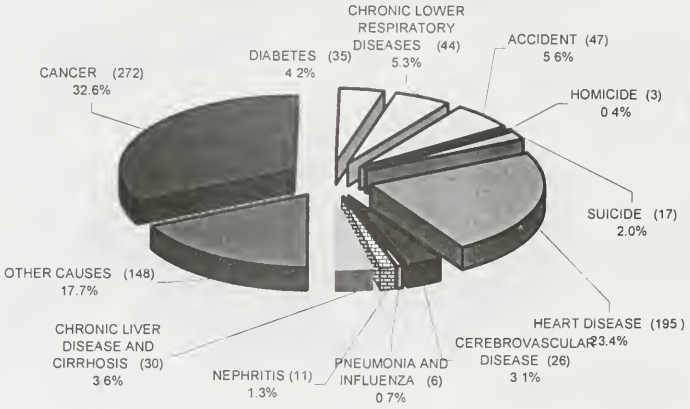
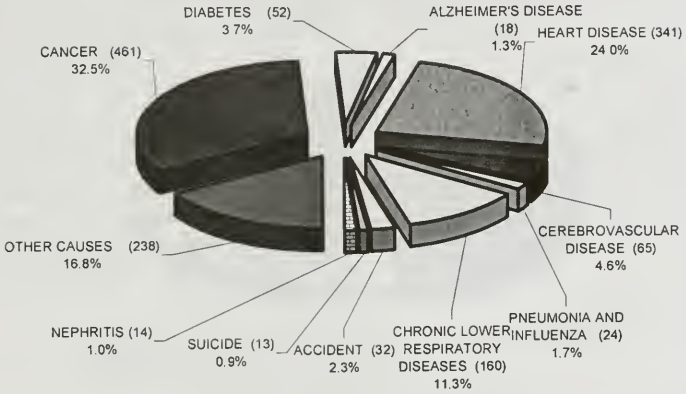


Figure 49 (Continued)

LEADING CAUSES OF DEATH BY AGE
MONTANA RESIDENTS, 2003

65 - 74 YEARS OF AGE, TOTAL (1,418)



75 - 84 YEARS OF AGE, TOTAL (2,338)

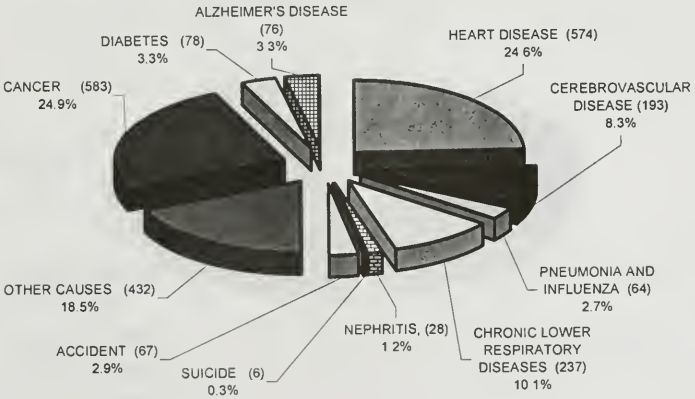
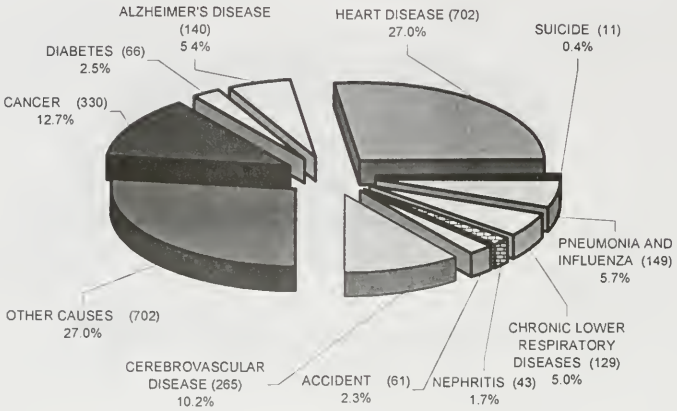


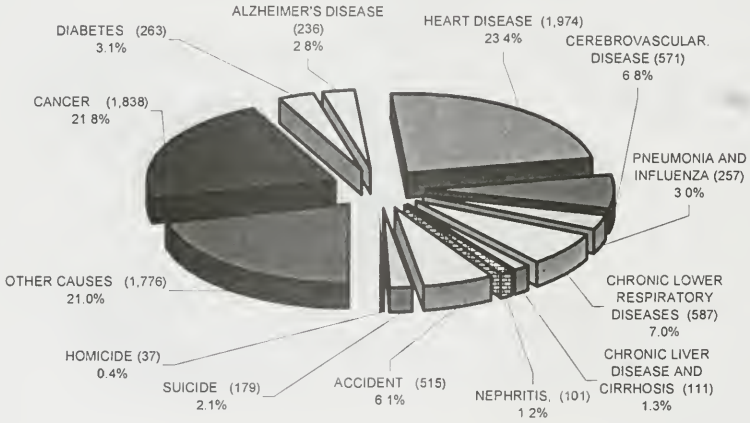
Figure 49 (Concluded)

LEADING CAUSES OF DEATH BY AGE
MONTANA RESIDENTS, 2003

85 YEARS AND OLDER, TOTAL (2,598)



ALL AGES, TOTAL (8,445)



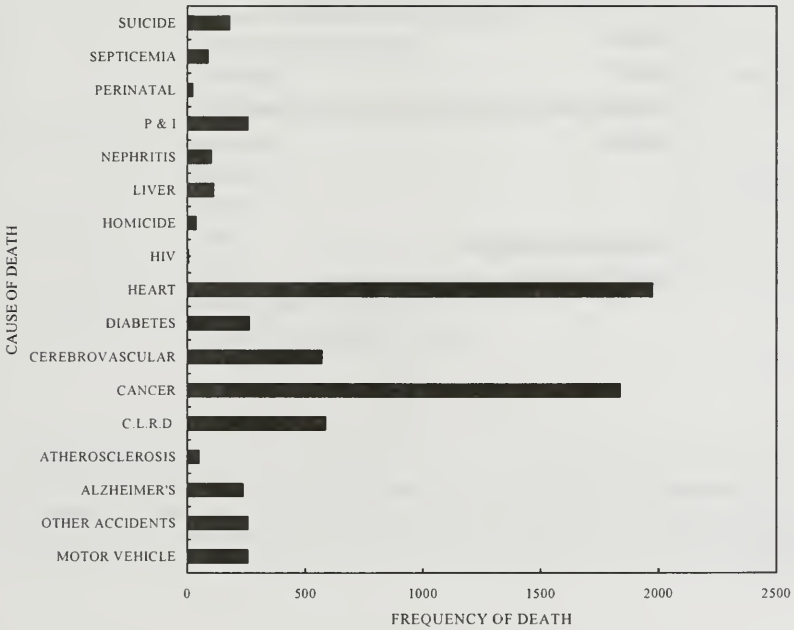
YEARS OF POTENTIAL LIFE LOST

The more traditional approach to cause of death analysis relies on frequency of death. This perspective emphasizes causes of death that affect the elderly, simply because of the larger number of such deaths. Years of potential life lost (YPLL) is an alternative measure that highlights premature, preventable, and unnecessary mortality. There are a number of different calculations for YPLL, each with a slightly different emphasis. Here we use the "premature years of potential life lost" calculation, which is easily understood and is used by the Center for Disease Control and Prevention (CDC). For each decedent younger than 75, the age at death is subtracted from 75. The results are summed by cause of death. This measure is referred to here as YPLL-75.

Frequencies and crude population-based rates for the ten leading causes of death for Montana residents are reported in **Table S-7**. The ten leading causes are: heart disease (23.4% of all resident deaths), cancer (21.8%), chronic lower respiratory diseases (CLRD) (7.0%), cerebrovascular disease (6.8%), accidents (6.1%), diabetes (3.1%), pneumonia and influenza (3.0%), Alzheimer's disease (2.8%),suicide (2.1%), and chronic liver disease and cirrhosis (1.3%). **Figure 51** represents the traditional view of cause of death analysis, showing the frequency, or number of deaths, in each cause of death category. Montanans of all ages who died of one of the listed causes in 2003 are reflected in this figure.

Figure 50

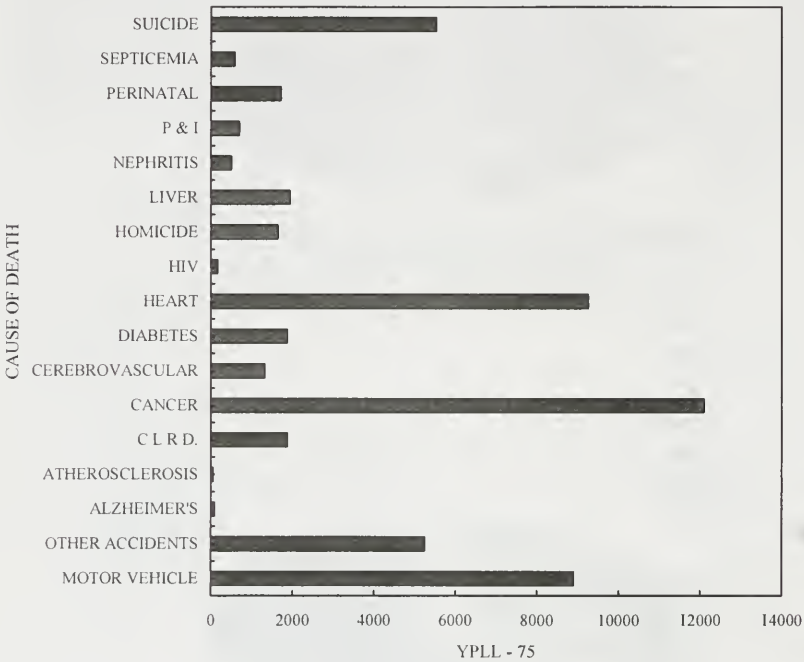
FREQUENCY OF DEATH BY CAUSE OF DEATH
MONTANA RESIDENTS, 2003



An alternative perspective, YPLL-75, is shown in **Figure 52**. Only decedents younger than 75 at the time of death are reflected in this figure Accidents (both motor and non-motor-vehicle), homicide, and suicide comprise only 8.6% of the deaths in 2003 but accounted for 31.8% of the total losses as measured by YPLL-75. This disparity in proportions, with less than a tenth of the deaths accounting for nearly a third of all years lost, points to the exaggerated cost of the typical death from traumatic causes.

Figure 51

TOTAL YEARS OF POTENTIAL LIFE LOST BEFORE AGE 75
BY CAUSE OF DEATH
MONTANA RESIDENTS, 2003

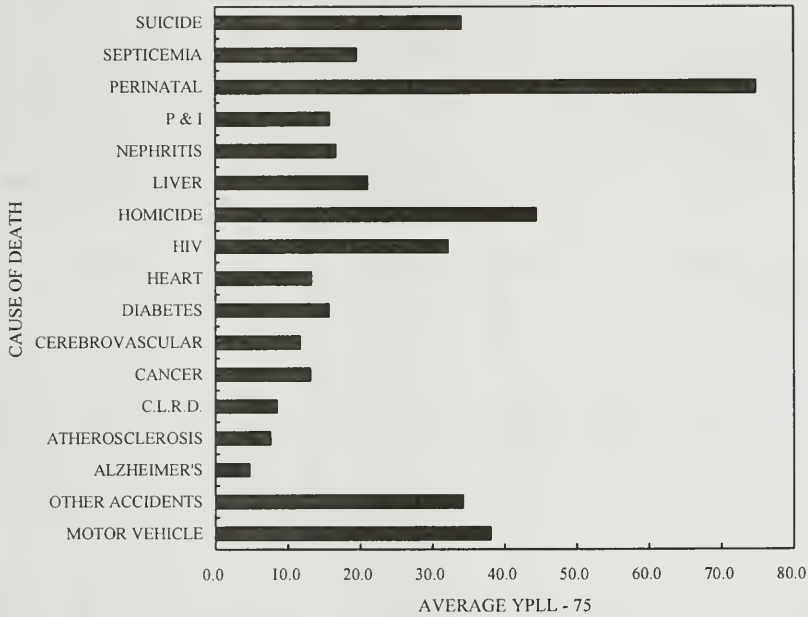


In 2003, the total loss of life before age 75 was 66,991 years. The loss to society resulting from cancer was 18.% of all years lost. Accidental deaths of any type accounted for 21% of total YPLL, with motor vehicle accidents accounting for 13.3% and non-motor-vehicle accidents accounting for 7.8%. Heart disease also caused large losses to society, accounting for 9,258years lost (13.8%). Other deaths from traumatic injury, suicide and homicide, accounted for 8.3% and 2.5%, respectively. All traumatic deaths together (accidents, homicide, and suicide) accounted for 31.8% of all YPLL-75.

Regardless of which of these two perspectives is used, cancer and heart disease cause a large social loss because of the numbers of deaths they cause, both among decedents of all ages and those less than 75 years of age (in both cases there are over 50% over 75 years of age at death; mean ages were 72.3 and 77.2, respectively). The YPLL-75 perspective does reorder the ranking of the leading causes of death, highlighting areas the CDC has said "provide the greatest potential for health improvement." Frequency of motor vehicle accidental deaths was ranked 8th and non-motor-vehicle deaths was ranked 9th but are ranked 3rd and 5th in terms of YPLL-75, indicating that accidental deaths are prevalent in those less than 75 years of age and cause great losses to society due to premature death (there were only 16% of the motor vehicle deaths over the age of 75). Suicide ranked tenth by frequency, but became the fourth leading cause when measured by total YPLL-75 (and there were only 11% of the suicides over 75 years of age).

Figure 52

AVERAGE YEARS OF POTENTIAL LIFE LOST BEFORE AGE 75
BY CAUSE OF DEATH
MONTANA RESIDENTS, 2003



Average YPLL-75 is calculated by dividing the total YPLL-75 for each cause of death by the number of decedents less than 75 years of age. While total YPLL-75 emphasizes the loss to society in terms of years of lost life, average YPLL-75 emphasizes the loss to the individual. This measure is shown in **Figure 53**.

Figure 53

AGE AT DEATH AND YEARS OF POTENTIAL LIFE LOST BEFORE AGE 75 BY CAUSE OF DEATH CENTRAL TENDENCY AND DISPERSION* MONTANA RESIDENTS, 2003

CAUSE OF DEATH	AVERAGE YPLL - 75	NUMBER OF DECEDENTS YOUNGER THAN 75	TOTAL YPLL – 75	MINIMUM AGE	MEAN AGE	MEDIAN AGE	MODAL AGE	MAXIMUM AGE	STANDARD DEVIATION	NUMBER OF DECEDENTS OF ALL AGES
ALL CAUSES	19.1	3509	66,994	0	73.1	78	85	107	18.9	8445
CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	74.8	23	1,720	0	0.2	0	0	5	1.0	23
ASSAULT (HOMICIDE)	44.4	37	1,644	1	30.6	28	26	58	16.0	37
MOTOR VEHICLE ACCIDENTS	38.1	234	8,905	0	40.8	40	18	90	20.9	257
NON-MOTOR-VEHICLE ACCIDENTS	34.3	153	5,249	0	59.0	59.5	90	102	26.2	258
INTENTIONAL SELF-HARM (SUICIDE)	34.1	162	5,530	13	45.1	42	24	95	19.4	179
HIV INFECTION	32.2	5	161	27	42.8	40	-	63	13.2	5
CHRONIC LIVER DISEASE AND CIRRHOSIS	21.1	92	1,940	28	58.7	57	67	90	14.6	111
SEPTICEMIA	19.5	30	585	0	75.0	80	74	99	18.2	87
NEPHRITIS, NEPHROTIC SYNDROME, AND NEPHROSIS	16.7	30	500	0	78.0	82	90	102	18.1	101
PNEUMONIA & INFLUENZA	15.8	44	697	0	82.9	86	88	106	14.4	257
DIABETES	15.7	119	1,868	1	73.1	76	78	104	16.0	263
HEART DISEASE	13.3	698	9,258	0	77.2	80	86	106	13.9	1,974
CANCER	13.1	925	12,098	3	72.3	74	81	104	13.5	1,838
CEREBROVASCULAR DISEASE	11.7	113	1,325	27	81.4	84	85	102	11.4	571
CHRONIC LOWER RESPIRATORY DISEASES	8.5	221	1,875	34	76.8	78	80	101	10.1	587
ATHEROSCLEROSIS	7.6	8	61	59	84.9	87	85	100	9.6	49
ALZHEIMER'S	4.7	20	94	58	85.8	86	93	103	7.5	236
OTHER CAUSES	22.7	595	13,484	0	74.0	80	85	107	21.3	1,612

* The *mean* is the arithmetic average, the *median* is the midpoint, and the *mode* is the age for the greatest number of decedents. The *standard deviation* measures the concentration of the distribution around the mean.

The category "conditions originating in the perinatal period" showed the greatest average loss to an individual (75 years lost). Traumatic causes of death--including motor vehicle accidents (38 years), other accidents

(34.3), homicide (44.4), and suicide (34.1)—occupied four of the next five highest ranks

Figure 53 summarizes average and total YPLL-75, frequency of death, and age at death in tabular form for these same 17 causes of death. The left side of the table shows YPLL-75 and related measures--i.e., measures referring to the number of decedents in 2003 who died before the age of 75. The right side of the table shows statistics referring to all decedents, regardless of age. Causes of death are shown in descending order of average years of life lost before age 75.

In general, average YPLL-75 was high when median age was low. For instance, Alzheimer's had the lowest associated average YPLL-75, 4.7 years per decedent younger than 75, and the highest associated median age, 86 years. There were several exceptions, however, because average YPLL-75 is influenced by both the age at which decedents died and the number of decedents under age 75 in the cause-of-death category in question. Average YPLL-75 was highest for those dying of conditions arising in the perinatal period. This is not surprising, since such decedents generally die in infancy or early childhood. Compared to the numbers who died of cancer or heart disease, relatively few residents died of conditions arising in the perinatal period, but all of these decedents who died with in the first year of life (22) contributed the maximum number of years (75) to total YPLL-75.

Although YPLL has significant advantages for analyzing mortality data from a public health perspective, it has a decided disadvantage in that some data—the records of the older decedents—are excluded from the calculations. More than half of the decedents who died from septicemia, pneumonia and influenza, nephritis, heart disease, diabetes, cerebrovascular disease, chronic lower respiratory disease, atherosclerosis, and Alzheimer's are excluded from YPLL-75 analysis. While YPLL highlights those causes of death having the greatest impact on the younger members of the population, it does so at the cost of diverting attention from the causes of death affecting older members.

CANCER INCIDENCE

CANCER INCIDENCE BY PRIMARY SITE

This section contains a report on Montana's cancer incidence data for the diagnosis year 2003, reported as of December 2004 to the Montana Central Tumor Registry. Mortality data in this report are shown for the entire calendar year. Incidence cancer cases diagnosed in 2003 were approximately 90% completed on this date with 4,169 new cancer diagnoses having been reported for 2003. The expected number of Montana cancer cases for 2003 is 4,600. Estimates of Montana's expected cancer cases are based on the North American Association of Central Cancer Registries (NAACCR) method. The expected incidence rate for Montana was computed from Montana race-sex-site-specific age-adjusted death rates (2000 U.S.) and incidence-to-mortality (I/M) rate ratios computed from SEER race-sex-site-specific age-adjusted (2000 U.S.) incidence rates and U.S. race-sex-site-specific age-adjusted death rates (2000 U.S.).

Table C-1 shows reported incidence of cancer for Montana residents diagnosed from 1994-2003 (10-year incidence). While previous reports showed cancer incidence data for one year, this report tabulates cancer incidence for 10 years and the data should not be compared with those in previous publications. The table shows cancer incidence by sex and by primary site--the original bodily location or organ system of the cancer. The most frequently diagnosed cancers were of the prostate (16.5% of all cancer diagnoses), female breast (16.2%), the lung and bronchus (13.4%), the colon (7.7%), melanoma (3.3%), the urinary bladder (4.5%), Hodgkin and Non-Hodgkin Lymphoma (4.1%), and the rectum and rectosigmoid (2.9%). Invasive cervical cancer accounted for less than 1% of cancer diagnoses (3.6% for both in-situ and malignant) for Montanans for 1994-2003. However, 1,276 of the 1,653 cervical cancers were in-situ--that is, non-invasive. Testicular cancer also accounted for less than 1% of cancer diagnoses—only 265 cases were reported in 1994-2003.

Table C-2 shows the incidence of cancer for the ten most frequently diagnosed primary sites and by the sex and age of the patient at diagnosis. Men diagnosed with prostate cancer tended to be 50 or older. Diagnoses of breast cancer in women generally began in their late thirties and the age distribution was not as concentrated on a central age category as was that of prostate cancer for men. In 1994-2003, Montanans diagnosed with cancer of the lung and bronchus or the urinary bladder were most likely to be men aged 50 or older. Those diagnosed with cancer of the colon were about equally likely to be male or female and usually 50 years of age or older. The distribution of 1994-2003 cancer diagnoses by site, sex, and county of residence is shown in **Table C-3** for the 10 most frequently diagnosed primary sites.

Figures 54, 56, 58, and 60 show the number of cancer diagnoses by year, sex of the patient, and stage of disease at diagnosis for prostate, breast, lung, and colorectal cancer, respectively. The stage of disease is recorded at the time of diagnosis and is not updated as the cancer progresses. Diagnosis at a localized stage means that the cancer has not spread beyond the organ or site of origin. Diagnosis at a regional stage means the cancer has spread to adjacent organs or regional lymph nodes. Diagnosis at a distant stage means the cancer has spread past adjacent organs or tissues to lymph nodes or organs elsewhere in the body.

Figures 55, 57, 59, and 61 show the five-year relative survival rates for these same cancers, comparing Montana and the United States (SEER). The five-year survival rate is the percent of all patients who are living five years after diagnosis, whether the patient is in remission, disease-free, or under treatment. These rates have been adjusted to account for patients dying from causes other than cancer.

PROSTATE CANCER

Prostate cancer was the most common cancer diagnosed in men in Montana and the United States, with 7,624 cases reported for 1994-2003 and 802 cases reported for 2003 in Montana. This incidence rate usually exceeds that of lung cancer. Nationally, it is primarily a disease of the elderly, as the median age at diagnosis is 70. In 2003, 109 Montana residents died of prostate cancer **(Tables D-1, D-2, D-5, and D-6),** making it the fourth leading cause of cancer deaths.

Figure 54 shows the number of prostate cancer diagnoses reported by year and the stage at diagnosis for the years 1994 through 2003. The patient diagnosed with prostate cancer at early stages may be asymptomatic or just have symptoms of lower urinary tract obstruction. In 2003, 66% of prostate cancers were diagnosed at a local stage. Bone pain is the most frequent complaint from patients diagnosed with advanced disease. In Montana, the percentage of prostate cancers diagnosed at a distant stage decreased from 6% in 1994 to 3% in 2003. Cases reported as in-situ stage has increased to 7% in 2003 since Prostatic Intraepithelial Neoplasia (PIN) became categorized as an in-situ cancer and was reportable starting in 2001. The Prostate-Specific Antigen (PSA) test has been useful in detecting prostate cancer at earlier stages. About 90% of cancers of the prostate are characterized as adenocarcinomas.

Figure 54

DIAGNOSIS OF PROSTATE CANCER
MONTANA RESIDENTS, 1994-2003

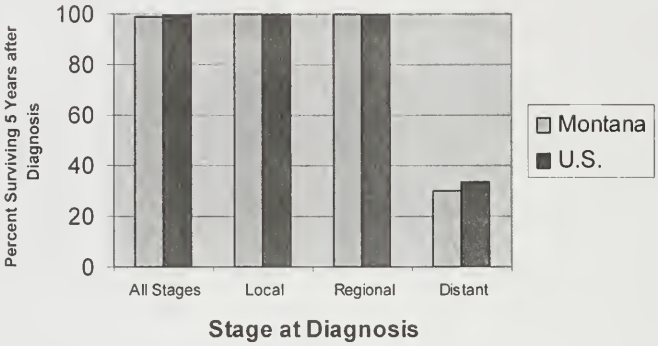
Year of Diagnosis	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
Number of Cases Diagnosed	648	740	686	668	729	763	799	859	929	803
Percent Stage at Diagnosis*										
In-Situ	0%	0%	0%	1%	0%	0%	0%	5%	6%	7%
Local	64%	61%	57%	59%	64%	63%	68%	67%	68%	66%
Regional	15%	13%	16%	13%	14%	15%	12%	10%	11%	11%
Distant	6%	5%	5%	6%	5%	3%	4%	4%	2%	3%
Unknown	15%	21%	21%	22%	17%	18%	16%	15%	13%	13%

* Percents may not add to 100% because of rounding.

Figure 55 shows five-year survival rates for prostate cancer, comparing Montana's to the United States' rate. One hundred percent of Montanans diagnosed at a localized or regional stage were alive five years after diagnosis; however, only about 30% of those diagnosed at a distant stage were alive five years after diagnosis. Although survival rates are high for early diagnosis, it should be re-emphasized that prostate cancer was the fourth leading cause of cancer deaths among Montanans in 2003.

Figure 55

FIVE-YEAR RELATIVE SURVIVAL BY STAGE AT DIAGNOSIS FOR PROSTATE CANCER MONTANA AND THE UNITED STATES, 1994-2003



Prostate cancer is generally treated with surgery or radiation. About 45% of patient's diagnosed with prostate cancer have surgery (prostatectomy) within four months after diagnosis. Patients with early stage prostate cancer often opt for no treatment, but their physicians must watch these patients closely. About 30% of prostate cancer patients are treated with radiation. About 20% are treated with hormonal therapy shortly after diagnosis, but this course of treatment is usually reserved for patients with advanced disease.

BREAST CANCER

Breast cancer was the most frequently reported malignancy among Montana women with 7,500 cases reported for 1994-2003 and 660 cases reported for 2003. It was the underlying cause of death for 115 female Montanans and one male, making breast cancer the third leading cause of cancer deaths in 2003 (**Tables D-1, D-2, D-5, and D-6**). Breast cancer incidence increases dramatically with age, and the majority of cases occur after age 50. In Montana in 2003, 20% were diagnosed at an in-situ stage, 49% of breast cancers at a local stage, 22% at a regional stage, and 3% at a distant stage.

The distribution of stage at diagnosis is shown in **Figure 56**. The proportion of patients diagnosed at an in-situ stage has increased slightly over the past decade, while the proportion diagnosed at local and regional stages has decreased. Patients are being diagnosed at earlier stages and are detecting cancers earlier. Breast self-examination (BSE) may detect about 60% of breast cancers. Patients who perform routine BSE find smaller lesions and it is well established that women with early-stage breast cancer have better chances of survival. Screening mammography can detect a breast cancer in an earlier stage, which may account for an increase in the diagnosis of breast cancer nationally over the last decade.

Figure 56

DIAGNOSIS OF BREAST CANCER
MONTANA RESIDENTS, 1994-2003

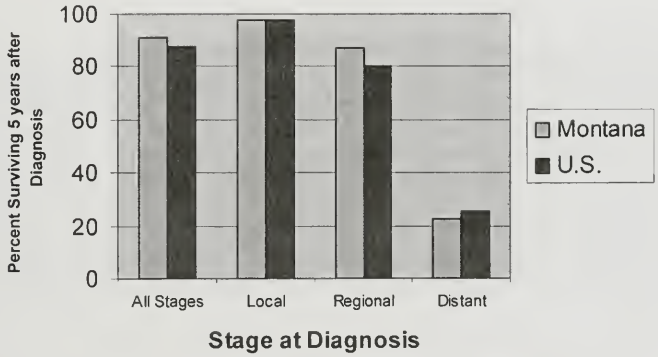
Year of Diagnosis		1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
Number of Cases Diagnosed	Males	4	1	1	6	5	5	2	7	2	4
	Females	634	692	761	737	774	827	820	842	757	656
Percent Stage at Diagnosis* In-Situ		10%	12%	11%	13%	14%	17%	18%	19%	20%	20%
Local		56%	55%	54%	50%	53%	52%	54%	50%	52%	49%
Regional		24%	21%	24%	28%	26%	22%	22%	24%	21%	22%
Distant		6%	4%	4%	3%	2%	3%	2%	3%	2%	3%
Unknown		5%	7%	7%	5%	4%	6%	4%	4%	5%	6%

* Percents may not add to 100% because of rounding

Figure 57 shows the five-year relative survival rate for women diagnosed with breast cancer, comparing Montana with the United States. For Montana women, 98% of women survived 5 years if diagnosed at a local stage and about 87% if diagnosed at a regional stage. If the cancer was diagnosed at a distant stage, the rate of survival was 22%. Breast cancer is treated in a variety of ways. Almost 95% of breast cancer patients are treated with surgery (lumpectomy or mastectomy) and about 40% are treated with radiation. About 40% are treated with both surgery and radiation. About 35% of patients are treated with chemotherapy, hormonal therapy or both. Almost 75% of breast cancers are duct cell carcinomas and over 10% are lobular carcinomas, which are a form of adenocarcinoma of the mammary gland.

Figure 57

FIVE-YEAR RELATIVE SURVIVAL BY STAGE AT DIAGNOSIS FOR BREAST CANCER
MONTANA AND THE UNITED STATES, 1994-2003



LUNG CANCER

In Montana, lung cancer was the second most common cancer diagnosis among men (after prostate cancer) and women (after breast cancer). In the years 1994-2003, 6,214 cancer cases have been reported and in 2003, 475 cases have been reported. It was the underlying cause of death for 534 Montanans (**Tables D-1, D-2, D-5, and D-6**), making it the leading cause of cancer deaths. The incidence of lung cancer increased in males by about 10% in the last 10 years; the percentage increase in women was about three times as large (30%).

The number of cases diagnosed and the stage at diagnosis for lung cancer diagnoses of Montanans are shown in **Figure 58**. In 2003, 49% of lung cancers were diagnosed at a distant stage and only 16% at a local stage. The stage was unknown or unstageable for about 10% of lung cases in 2003. Certain types of lung cancer spread very early and quickly, which causes the patient to be diagnosed at a regional or distant stage.

Figure 58

DIAGNOSIS OF LUNG CANCER
MONTANA RESIDENTS, 1994-2003

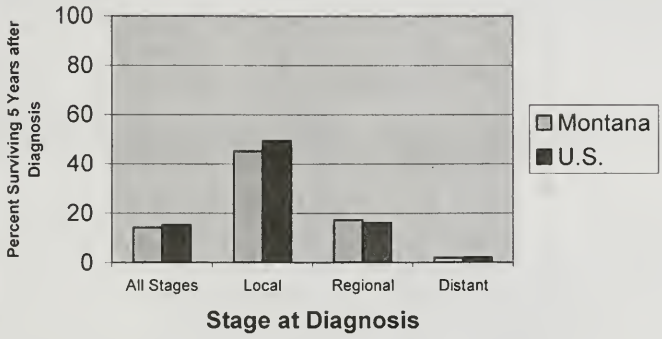
Year of Diagnosis		1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
Number of Cases Diagnosed	Males	318	365	378	338	410	338	382	357	345	265
	Females	227	257	254	279	318	261	304	326	282	210
Percent Stage at Diagnosis*											
In-Situ		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Local		22%	17%	19%	17%	17%	16%	22%	15%	14%	16%
Regional		24%	21%	21%	25%	27%	27%	26%	28%	26%	25%
Distant		37%	36%	38%	39%	39%	39%	37%	37%	44%	49%
Unknown		16%	25%	22%	19%	17%	17%	15%	19%	16%	10%

* Percents may not add to 100% because of rounding.

Lung cancer has a much poorer prognosis than other cancers, partly because relatively few cases are diagnosed at an early stage. **Figure 59** shows the five-year relative survival rate for lung cancer, comparing Montana and the United States rates. Forty-five percent of patients diagnosed at a localized stage survive five years; however, only 17% survive five years if diagnosed at a regional stage and less than 2% if diagnosed at a distant stage. The types of treatment performed for lung cancer are determined by the type of cancer and the stage at diagnosis. Most lung cancers are treated with surgery, radiation, or chemotherapy. About 21% of patients with lung cancer are treated with surgery and about 35% are treated with radiation. Chemotherapy is given to about 36% of patients. A cough is the most common symptom of a lung cancer, but since coughing is a common symptom of many acute and chronic conditions, the diagnosis of lung cancer may be delayed. Twenty-four percent of lung cancers are squamous cell carcinomas, derived from stratified squamous epithelium. About 25% are adenocarcinomas and 20% are carcinoma, NOS.

Figure 59

FIVE-YEAR RELATIVE SURVIVAL BY STAGE AT DIAGNOSIS FOR LUNG CANCER
MONTANA AND THE UNITED STATES, 1994-2003



COLORECTAL CANCER

Colorectal cancer was the third most common malignancy in Montanans with 4,915 cases reported for 1994-2003; there were 395 cases diagnosed and 164 deaths caused by colorectal cancer in 2003 (**Tables D-1, D-2, D-5, and D-6**) making it the second leading cause of cancer deaths. Because of the anatomic proximity and physiologic similarity of the colon and rectum, these two segments are often reported together as "colorectal" cancer. The incidence of colorectal cancer is extremely low in childhood and increases with age. **Figure 60** shows the frequency and stage at diagnosis for cancers of the colon and rectum. In 2003, 37% were diagnosed at a local stage, 35% at a regional stage, and 17% at a distant stage.

Figure 60

DIAGNOSIS OF COLORECTAL CANCER
MONTANA RESIDENTS, 1994-2003

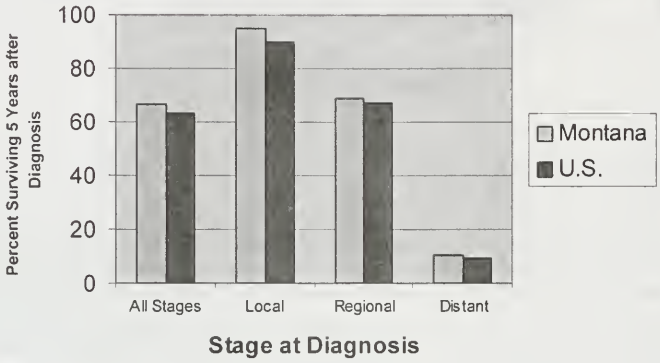
Year of Diagnosis		1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
Number of Cases Diagnosed	Males	223	235	259	270	298	291	256	296	261	201
	Females	223	230	233	236	246	238	246	244	235	194
Percent Stage at Diagnosis* In-Situ		2%	2%	3%	4%	4%	2%	3%	5%	3%	5%
Local		39%	32%	34%	36%	33%	33%	34%	33%	35%	34%
Regional		35%	39%	38%	37%	40%	42%	42%	43%	37%	35%
Distant		15%	14%	13%	16%	16%	14%	14%	12%	16%	17%
Unknown		9%	12%	12%	8%	8%	9%	7%	7%	8%	6%

* Percents may not add to 100% because of rounding

Figure 61 shows the five-year relative survival of patients diagnosed with colorectal cancer, comparing Montana and the United States. When colorectal cancer is detected at an early, or localized, stage the five-year relative survival is 95%. After the cancer has spread to a regional organ or lymph node, the survival rate drops to about 69%. Colorectal cancer is mostly treated with surgery or chemotherapy or both. About 85% of patients with colorectal cancer are treated with surgery and about 30% are treated with chemotherapy. About 11% are treated with radiation. About 70% of colorectal carcinomas are adenocarcinoma and 11% are mucinous adenocarcinoma (an adenocarcinoma which secretes mucin).

Figure 61

FIVE-YEAR RELATIVE SURVIVAL BY STAGE AT DIAGNOSIS FOR COLORECTAL CANCER MONTANA AND THE UNITED STATES, 1994-2003



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INDUCED ABORTIONS

Induced terminations of pregnancy (abortions) have been reported to the department since July 1, 1974, when the Montana Abortion Control Act was implemented. States no longer report induced abortions to the National Center for Health Statistics and few states exchange resident abortion statistics. For these reasons, national abortion rates are estimates based on incomplete reporting and Montana's complete resident abortion statistics are unknown. The statistics provided in this report are for those abortions occurring in Montana, and any references to Montana residents must be viewed as incomplete. **Figure 62** shows the ratio of abortions performed in Montana to live births occurring in Montana since 1975.

Beginning in 1975, the first full year of reporting, and continuing on to the early eighties, the ratio of abortions performed in Montana to the number of live-born babies delivered in the state increased rapidly; the ratio was 129.9 in 1975 and rose to a peak of 295.6 in 1983. The trend reached another near peak (295.2) in 1990. From 1990 to the present, it has trended downward, varying unpredictably in some years. The ratio was 193.8 in 2003, the lowest ratio since 1976. This low rate reflects both the smallest number of induced abortions (2,213) performed in the state since 1976 and the largest number of births (11,418) occurring here since 1989.

Figure 62

RATIO OF INDUCED ABORTIONS TO LIVE BIRTHS
MONTANA OCCURRENCES, 1975-2003

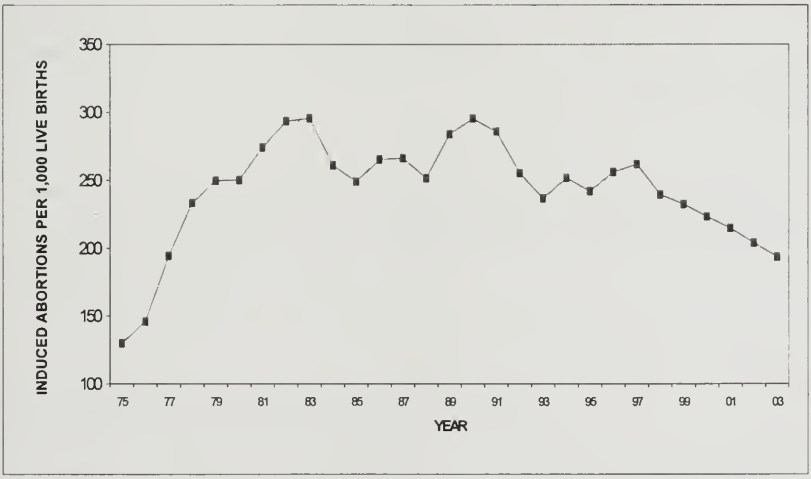


Table A-1 displays Montana occurrence abortions by the patient's number of previous pregnancies and number of previous induced abortions for 2003.

The frequency of induced abortion, for Montana females receiving the procedure in Montana in 2003 is also tabulated by age of patient (**Table A-2**) and by gestational age and procedure used for termination and gestational age of the fetus (**Table A-3**).

Table A-4 displays Montana occurrence abortions by county of occurrence, Montana county of residence, and state or country of residence.

There were no deaths, attributable to the procedure of induced abortion, of women receiving abortions in Montana in 2003. This has been the case in Montana since 1974.

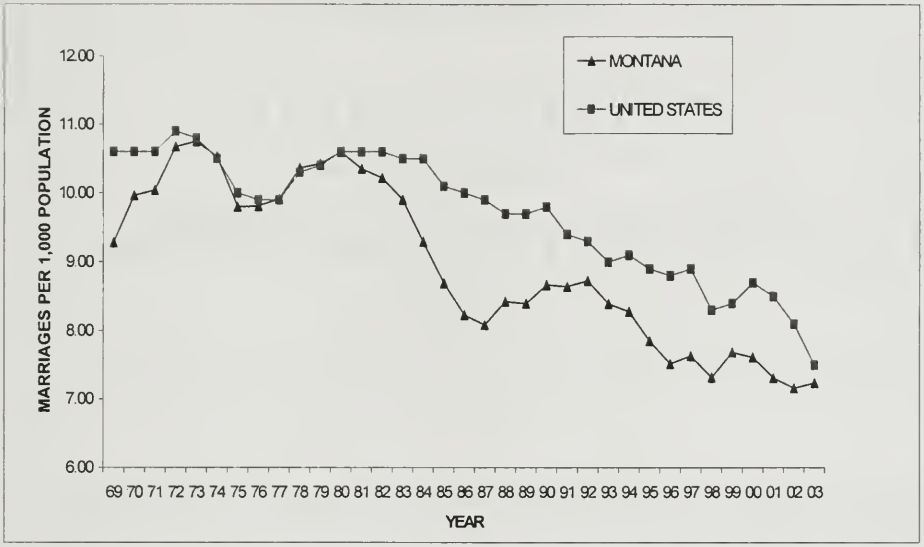
Ten of the 2,213 abortion procedures performed in Montana in 2003 resulted in reported complications--one with cervical lacerations, one with uterine perforation, two with infection, three with hemorrhaging, and three with other complications.

MARRIAGE

There were 6,640 marriages solemnized in Montana in 2003, with the rate per 1,000 population only slightly increased from the previous year's rate. Except for a brief resurgence in Montana's rate between 1988 and 1992, the trends in marriage rates for both Montana and the United States have been in long-term decline since 1980 (see **Figure 63**).

Figure 63

MARRIAGE RATES
MONTANA AND THE UNITED STATES, 1969-2003*



* Data for the United States in 2002 and 2003 are preliminary.

Table M-1 shows the frequency of marriage by month in the year 2003. The summer and fall months (June through September) have been the most popular times for marriage.

The ages of brides and grooms, by age groups and prior marital status, are shown in **Table M-2**. More than three-fifths of the brides (62.6%) and grooms (64.2%) married for the first time in 2003.

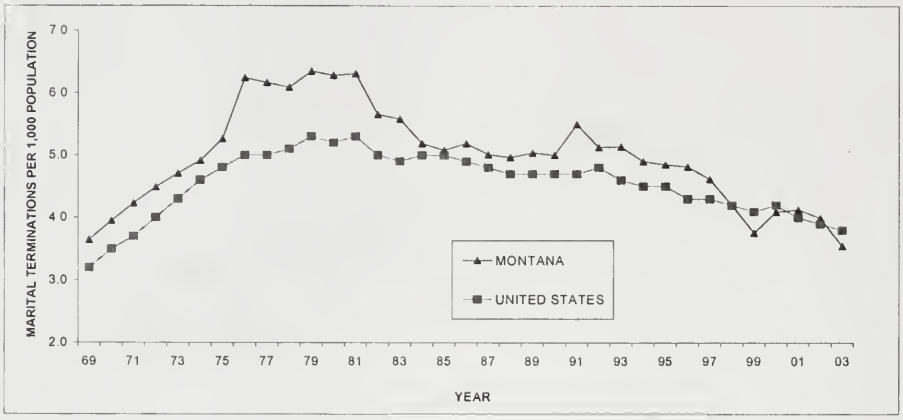
Just over half (53.0 %) of all marriages performed in Montana in 2003 were first marriages for both the bride and the groom. The frequency of such marriages is shown in **Table M-3** by age group of bride and groom. Median ages of brides and grooms for the previous ten years are shown in **Table M-4**. The median age for first-time brides in 2003 was 24 years and that of first-time grooms was 26.

MARITAL TERMINATION

In October of 1998, the Judicial Case Management System (JCMS) assumed responsibility for the collection of marital termination records (marital dissolutions and invalid marriages). The records from 1998 through 2003 are not strictly comparable to those collected by the Office of Vital Statistics (OVS). However, it can be seen that the trend in marital termination for Montana was roughly parallel to the national trend from 1967 through 1997, as **Figure 64** shows, although the Montana rates were consistently higher up to the time JCMS assumed data collection.

Figure 64

MARITAL TERMINATION RATES
MONTANA AND THE UNITED STATES, 1969-2003*



* Montana data were collected by the Montana Office of Vital Statistics (OVS) through September 1998 and by the Judicial Case Management System (JCMS) thereafter. Data collected by JCMS are not comparable to those collected by OVS and should be used with caution. Data for the United States in 2002 and 2003 are preliminary.

Montana's rate of marital termination per 1,000 population is shown in **Table S-5**. During the last 20 years that OVS collected the data, this rate decreased from a high of 6.5 in 1979 to 4.6 in 1997. As stated above, rates calculated for subsequent years are not comparable.

2003

MONTANA

VITAL STATISTICS

REFERENCE TABLES

SYMBOLS USED IN THESE TABLES

QUANTITY IS ZERO	-
RATE OR PERCENT IS LESS THAN 0.05 . . .	0.0
DATA ARE NOT AVAILABLE	---

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TABLE S-1

FREQUENCY AND RATE OR RATIO OF DEATH, LIVE BIRTH, AND FETAL, INFANT, AND MATERNAL DEATH BY YEAR*
MONTANA, 1910-2003*

YEAR	ESTIMATED MIDYEAR POPULATION	DEATHS		LIVE BIRTHS		FETAL DEATHS		INFANT DEATHS		MATERNAL DEATHS	
		NUMBER	RATE+	NUMBER	RATE+	NUMBER	RATIO**	NUMBER	RATE**	NUMBER	RATE++
1910	376,053	3,999	10.6	6,124	16.3	NA	NA	714	116.6	62	1,012.4
1915	468,067	5,072	10.8	11,132	23.8	NA	NA	816	73.3	91	817.5
1920	548,339	5,289	9.6	11,862	21.6	NA	NA	862	72.7	104	876.7
1925	542,834	5,188	9.6	10,302	19.0	343	33.3	726	70.5	83	805.7
1930	537,606	5,435	10.1	10,004	18.6	286	28.6	569	56.9	67	669.7
1935	549,077	6,291	11.5	10,029	18.3	232	23.1	602	60.0	52	518.5
1940	559,456	5,722	10.2	11,468	20.5	216	18.8	527	46.0	39	340.1
1945	504,600	5,414	10.7	10,601	21.0	184	17.4	363	34.2	17	160.4
1946	521,900	5,595	10.7	12,858	24.6	224	17.4	448	34.8	18	140.0
1947	539,200	5,760	10.7	15,086	28.0	238	15.8	484	32.1	16	106.1
1948	556,500	5,884	10.6	15,035	27.0	236	15.7	461	30.7	14	93.1
1949	573,800	5,878	10.2	15,366	26.8	231	15.0	457	29.7	14	91.1
1950	591,024	5,817	9.8	15,592	26.4	233	14.9	441	28.3	20	128.3
1951	596,000	5,964	10.0	15,929	26.7	248	15.6	425	26.7	10	62.8
1952	602,000	5,974	9.9	16,479	27.4	253	15.4	448	27.2	8	48.5
1953	616,000	6,125	9.9	16,596	26.9	232	14.0	480	28.9	3	18.1
1954	624,000	6,030	9.7	17,276	27.7	247	14.3	398	23.0	5	28.9
1955	636,000	6,115	9.6	17,454	27.4	221	12.7	433	24.8	5	28.6
1956	656,000	6,450	9.8	17,703	27.0	239	13.5	495	28.0	2	11.3
1957	667,000	6,486	9.7	18,219	27.3	224	12.3	462	25.4	5	27.4
1958	666,000	6,265	9.4	17,275	25.9	233	13.5	444	25.7	3	17.4
1959	669,000	6,570	9.8	17,646	26.4	223	12.6	431	24.4	3	17.0
1960	674,767	6,525	9.7	17,448	25.9	190	10.9	435	24.9	5	28.7
1961	682,000	6,338	9.3	17,368	25.5	194	11.2	441	25.4	2	11.5
1962	709,000	6,418	9.1	16,818	23.7	210	12.5	436	25.9	7	41.6
1963	707,000	6,609	9.3	15,934	22.5	194	12.2	383	24.0	2	12.6
1964	705,000	6,851	9.7	15,094	21.4	200	13.3	403	26.7	7	46.4
1965	706,000	6,578	9.3	13,641	19.3	177	13.0	338	24.8	2	14.7
1966	702,000	6,864	9.8	12,623	18.0	140	11.1	286	22.7	3	23.8
1967	701,000	6,549	9.3	12,087	17.2	141	11.7	290	24.0	3	24.8
1968	693,000	6,534	9.4	11,992	17.3	146	12.2	233	19.4	1	8.3
1969	694,000	6,694	9.6	11,762	16.9	132	11.2	246	20.9	1	8.5
1970	694,409	6,597	9.5	12,622	18.2	140	11.1	272	21.5	3	23.8
1971	710,000	6,860	9.7	12,347	17.4	127	10.3	267	21.6	-	-
1972	719,000	6,896	9.6	11,444	15.9	129	11.3	225	19.7	4	35.0
1973	721,000	6,870	9.5	11,392	15.8	105	9.2	222	19.5	-	-
1974	735,000	6,552	8.9	12,273	16.7	125	10.2	202	16.5	1	8.1
1975	748,000	6,539	8.7	12,070	16.1	112	9.3	187	15.5	3	24.9
1976	753,000	6,733	8.9	12,605	16.7	104	8.3	209	16.6	-	-
1977	761,000	6,397	8.4	13,304	17.5	119	8.9	183	13.8	1	7.5
1978	785,000	6,484	8.3	13,545	17.3	110	8.1	155	11.4	3	22.1
1979	786,000	6,471	8.2	14,057	17.9	116	8.3	151	10.7	4	28.5
1980	786,690	6,664	8.5	14,208	18.1	104	7.3	176	12.4	2	14.1
1981	793,000	6,709	8.5	14,309	18.0	85	5.9	153	10.7	-	-
1982	801,000	6,625	8.3	14,538	18.1	93	6.4	147	10.1	1	6.9
1983	817,000	6,699	8.2	14,054	17.2	91	6.5	126	9.0	4	28.5
1984	824,000	6,698	8.1	14,141	17.2	110	7.8	125	8.8	1	7.1
1985	826,000	6,725	8.1	13,497	16.3	96	7.1	139	10.3	-	-
1986	819,000	6,738	8.2	12,728	15.5	95	7.5	122	9.6	2	15.7
1987	809,000	6,597	8.2	12,239	15.1	96	7.8	121	9.9	-	-
1988	805,000	6,759	8.4	11,682	14.5	92	7.9	100	8.6	1	8.6
1989	805,600	6,735	8.4	11,667	14.5	86	7.4	133	11.4	-	-
1990	799,065	6,835	8.6	11,602	14.5	78	6.7	106	9.1	-	-
1991	808,000	6,995	8.7	11,498	14.2	90	7.8	82	7.1	1	8.7
1992	823,700	7,067	8.6	11,468	13.9	84	7.3	85	7.4	-	-
1993	839,000	7,457	8.9	11,362	13.5	74	6.5	84	7.4	-	-
1994	856,240	7,331	8.6	11,062	12.9	52	4.7	82	7.4	-	-
1995	868,522	7,614	8.8	11,136	12.8	67	6.0	79	7.1	-	-
1996	879,370	7,686	8.7	10,840	12.3	58	5.4	75	6.9	1	9.2
1997	878,810	7,730	8.8	10,840	12.3	49	4.5	73	6.7	-	-
1998	879,533	7,960	9.1	10,791	12.3	76	7.0	82	7.6	1	9.3
1999	882,779	8,082	9.2	10,779	12.2	62	5.8	71	6.6	-	-
2000	902,195	8,071	8.9	10,946	12.1	55	5.0	63	5.8	2	18.3
2001	904,433	8,252	9.1	10,947	12.1	43	3.9	73	6.7	2	18.3
2002	909,453	8,473	9.3	11,045	12.1	51	4.6	81	7.3	-	-
2003	917,621	8,445	9.2	11,384	12.4	55	4.8	77	6.8	5	90.9

* DATA FOR 1910-1945 ARE BY PLACE OF OCCURRENCE. BEGINNING IN 1946, DATA ARE BY PLACE OF RESIDENCE.
\+ PER 1,000 ESTIMATED MIDYEAR POPULATION. U. S. CENSUS ENUMERATION'S ARE USED FOR YEARS ENDING IN ZERO.
** PER 1,000 LIVE BIRTHS.
++ PER 100,000 LIVE BIRTHS.

TABLE S-2

FREQUENCY OF DEATH, LIVE BIRTH, AND FETAL, INFANT, AND MATERNAL DEATH
BY COUNTY OF OCCURRENCE AND COUNTY OF RESIDENCE
MONTANA, 2003

COUNTY	DEATHS		LIVE BIRTHS		FETAL DEATHS		INFANT DEATHS		MATERNAL DEATHS	
	OCC	RES	OCC	RES	OCC	RES	OCC	RES	OCC	RES
MONTANA, TOTAL	8,466	8,445	11,418	11,384	57	55	73	77	6	5
BEAVERHEAD	85	90	87	82	-	-	1	1	-	-
BIG HORN	72	91	255	264	-	-	1	1	-	-
BLAINE	39	65	2	123	-	-	-	-	-	-
BROADWATER	38	44	1	36	-	-	-	-	-	-
CARBON	74	88	27	76	-	-	1	-	-	-
CARTER	9	14	-	7	-	-	-	-	-	-
CASCADE	879	746	1,442	1,128	7	5	18	10	2	1
CHOUTEAU	51	61	-	44	-	-	-	-	-	-
CUSTER	159	138	238	132	1	1	1	1	-	-
DANIELS	38	43	-	18	-	-	-	-	-	-
DAWSON	115	109	49	86	1	1	-	2	-	-
DEER LODGE	106	131	38	70	-	1	1	1	-	-
FALLON	31	25	2	26	-	-	-	-	-	-
FERGUS	158	163	107	120	-	-	-	1	-	-
FLATHEAD	780	756	1,049	977	7	7	3	3	-	-
GALLATIN	385	411	1,044	1,014	5	4	2	6	-	-
GARFIELD	11	14	-	13	-	-	-	-	-	-
GLACIER	73	102	244	277	1	1	4	5	-	-
GOLDEN VALLEY	-	6	1	9	-	-	-	-	-	-
GRANITE	23	26	-	26	-	-	1	1	-	-
HILL	128	146	339	231	1	1	1	3	1	1
JEFFERSON	42	80	1	92	-	-	-	-	-	-
JUDITH BASIN	11	27	-	18	-	-	-	-	-	-
LAKE	192	248	295	390	2	2	2	5	-	-
LEWIS & CLARK	476	460	713	653	3	4	2	4	1	1
LIBERTY	27	23	14	18	-	-	-	-	-	-
LINCOLN	164	192	107	183	-	-	1	2	-	-
MCCONE	12	15	-	11	-	-	-	-	-	-
MADISON	64	76	1	56	-	-	-	-	-	-
MEAGHER	27	29	-	26	-	-	-	-	-	-
MINERAL	40	53	-	46	-	-	1	2	-	-
MISSOULA	905	703	1,673	1,147	11	5	15	8	1	1
MUSSELSHELL	40	60	-	59	-	-	1	-	-	-
PARK	127	135	150	154	-	-	-	1	-	-
PETROLEUM	-	2	-	7	-	-	-	-	-	-
PHILLIPS	42	47	2	47	-	1	-	1	-	-
PONDERA	59	73	28	75	-	-	-	-	-	-
POWDER RIVER	14	24	-	11	-	-	-	-	-	-
POWELL	71	82	19	60	-	2	-	-	-	-
PRAIRIE	19	28	-	12	-	-	-	-	-	-
RAVALLI	305	371	230	458	-	3	2	5	-	-
RICHLAND	107	108	100	80	-	-	-	-	-	-
ROOSEVELT	99	136	94	180	-	1	2	2	-	-
ROSEBUD	52	75	4	165	-	2	-	-	-	-
SANDERS	99	124	33	104	-	1	-	1	-	-
SHERIDAN	49	51	20	22	-	-	-	-	-	-
SILVER BOW	422	402	461	398	3	3	1	2	1	1
STILLWATER	59	65	2	99	-	1	-	-	-	-
SWEET GRASS	28	31	-	33	-	-	-	1	-	-
TETON	50	72	2	73	-	-	-	-	-	-
TOOLE	52	57	51	45	-	-	-	-	-	-
TREASURE	4	8	-	4	-	-	-	-	-	-
VALLEY	101	101	136	80	1	-	1	1	-	-
WHEATLAND	19	31	-	20	-	-	-	-	-	-
WIBAUX	11	20	-	6	-	-	-	-	-	-
YELLOWSTONE	1,423	1,167	2,357	1,790	14	9	11	7	-	-
YELLOWSTONE PARK	-	-	-	-	-	-	-	-	-	-
NOT STATED	-	-	-	3	-	-	-	-	-	-

TABLE S-3

FREQUENCY OF DEATH, LIVE BIRTH, AND FETAL DEATH BY RACE* AND COUNTY OF RESIDENCE
MONTANA, 2003

COUNTY	DEATHS				LIVE BIRTHS				FETAL DEATHS			
	TOTAL	WHITE	NATIVE AMERICAN	OTHER	TOTAL	WHITE	NATIVE AMERICAN	OTHER	TOTAL	WHITE	NATIVE AMERICAN	OTHER
MONTANA, TOTAL	8,445	7,207	402	836	11,384	9,771	1,393	220	55	44	6	5
BEAVERHEAD	90	84	2	4	82	77	2	3	-	-	-	-
BIG HORN	91	18	42	31	264	53	209	2	-	-	-	-
BLAINE	65	38	26	1	123	43	80	-	-	-	-	-
BROADWATER	44	43	-	1	36	36	-	-	-	-	-	-
CARBON	88	42	-	46	76	76	-	-	-	-	-	-
CARTER	14	13	-	1	7	7	-	-	-	-	-	-
CASCADE	746	651	17	78	1,128	1,000	77	51	5	5	-	-
CHOUTEAU	61	57	1	3	44	42	1	1	-	-	-	-
CUSTER	138	131	1	6	132	125	5	2	1	1	-	-
DANIELS	43	42	-	1	18	17	-	1	-	-	-	-
DAWSON	109	108	1	-	86	85	1	-	1	-	-	1
DEER LODGE	131	123	6	2	70	63	3	4	1	1	-	-
FALLON	25	23	1	1	26	26	-	-	-	-	-	-
FERGUS	163	157	3	3	120	119	-	1	-	-	-	-
FLATHEAD	756	623	8	125	977	951	14	12	7	7	-	-
GALLATIN	411	388	-	23	1,014	976	10	28	4	4	-	-
GARFIELD	14	14	-	-	13	13	-	-	-	-	-	-
GLACIER	102	27	66	9	277	52	222	3	1	-	1	-
GOLDEN VALLEY	6	5	-	1	9	8	-	1	-	-	-	-
GRANITE	26	25	-	1	26	26	-	-	-	-	-	-
HILL	146	112	26	8	231	131	97	3	1	1	-	-
JEFFERSON	80	73	2	5	92	89	2	1	-	-	-	-
JUDITH BASIN	27	26	-	1	18	18	-	-	-	-	-	-
LAKE	248	171	49	28	390	243	141	6	2	-	-	2
LEWIS & CLARK	460	438	7	15	653	621	19	13	4	3	1	-
LIBERTY	23	23	-	-	18	18	-	-	-	-	-	-
LINCOLN	192	179	3	10	183	176	2	5	-	-	-	-
MCCONE	15	14	-	1	11	11	-	-	-	-	-	-
MADISON	78	74	-	2	56	55	1	-	-	-	-	-
MEAGHER	29	27	-	2	26	26	-	-	-	-	-	-
MINERAL	53	49	1	3	46	42	2	2	-	-	-	-
MISSOULA	703	657	12	34	1,147	1,082	37	28	5	3	1	1
MUSSELSHELL	60	35	-	25	59	59	-	-	-	-	-	-
PARK	135	50	-	85	154	149	2	3	-	-	-	-
PETROLEUM	2	2	-	-	7	6	1	-	-	-	-	-
PHILLIPS	47	44	2	1	47	40	7	-	1	1	-	-
PONDERA	73	59	11	3	75	53	22	-	-	-	-	-
POWDER RIVER	24	21	-	3	11	11	-	-	-	-	-	-
POWELL	82	80	2	-	60	57	2	1	2	2	-	-
PRAIRIE	28	27	1	-	12	12	-	-	-	-	-	-
RAVALLI	371	315	5	51	458	447	8	3	3	3	-	-
RICHLAND	108	101	-	7	80	76	3	1	-	-	-	-
ROOSEVELT	136	69	53	14	180	44	132	4	1	-	1	-
ROSEBUD	75	46	27	2	165	54	110	1	2	-	1	1
SANDERS	124	107	4	13	104	93	10	1	1	1	-	-
SHERIDAN	51	47	-	4	22	19	2	1	-	-	-	-
SILVER BOW	402	389	3	10	398	380	9	9	3	3	-	-
STILLWATER	65	27	-	38	99	97	2	-	1	1	-	-
SWEET GRASS	31	30	-	1	33	30	-	3	-	-	-	-
TETON	72	63	4	5	73	73	-	-	-	-	-	-
TOOLE	57	54	1	2	45	41	1	3	-	-	-	-
TREASURE	8	7	-	1	4	3	1	-	-	-	-	-
VALLEY	101	84	3	14	80	65	14	1	-	-	-	-
WHEATLAND	31	30	-	1	20	19	1	-	-	-	-	-
WIBAUX	20	20	-	-	6	6	-	-	-	-	-	-
YELLOWSTONE	1,167	1,045	12	110	1,790	1,628	140	22	9	8	1	-
YELLOWSTONE PARK	-	-	-	-	-	-	-	-	-	-	-	-
NOT STATED	-	-	-	-	3	2	1	-	-	-	-	-

* ANY RACIAL CATEGORY MAY INCLUDE "HISPANIC"; "OTHER" ALSO INCLUDES RACE NOT STATED. LIVE BIRTHS AND FETAL DEATHS ARE SHOWN BY RACE OF THE MOTHER.

TABLE S-4

FREQUENCY OF FETAL, INFANT, AND CHILD* DEATH BY RACE AND COUNTY OF RESIDENCE MONTANA , 2003

	FETAL DEATHS				INFANT DEATHS				CHILD* DEATHS			
	ALL RACES	WHITE	NATIVE AMERICAN	OTHER RACES	ALL RACES	WHITE	NATIVE AMERICAN	OTHER RACES	ALL RACES	WHITE	NATIVE AMERICAN	OTHER RACES
MONTANA	55	44	6	5	77	51	12	14	76	51	9	16
BEAVERHEAD	-	-	-	-	1	1	-	-	-	-	-	-
BIG HORN	-	-	-	-	1	1	-	-	-	-	-	-
BLAINE	-	-	-	-	-	-	-	-	-	-	-	-
BROADWATER	-	-	-	-	-	-	-	-	-	-	-	-
CARBON	-	-	-	-	-	-	-	-	1	-	-	1
CARTER	-	-	-	-	-	-	-	-	1	1	-	-
CASCADE	5	5	-	-	10	7	2	1	8	6	-	2
CHOUTEAU	-	-	-	-	-	-	-	-	-	-	-	-
CUSTER	1	1	-	-	1	1	-	-	1	1	-	-
DANIELS	-	-	-	-	-	-	-	-	-	-	-	-
DAWSON	1	-	-	1	2	2	-	-	-	-	-	-
DEER LODGE	1	1	-	-	1	1	-	-	2	2	-	-
FALLON	-	-	-	-	-	-	-	-	-	-	-	-
FERGUS	-	-	-	-	1	-	-	1	-	-	-	-
FLATHEAD	7	7	-	-	3	2	-	1	9	8	-	1
GALLATIN	4	4	-	-	6	4	-	2	7	5	-	2
GARFIELD	-	-	-	-	-	-	-	-	-	-	-	-
GLACIER	1	-	1	-	5	1	4	-	3	-	2	1
GOLDEN VALLEY	-	-	-	-	-	-	-	-	-	-	-	-
GRANITE	-	-	-	-	1	1	-	-	-	-	-	-
HILL	1	1	-	-	3	2	-	1	2	1	1	-
JEFFERSON	-	-	-	-	-	-	-	-	-	-	-	-
JUDITH BASIN	-	-	-	-	-	-	-	-	-	-	-	-
LAKE	2	-	-	2	5	2	3	-	4	1	2	1
LEWIS & CLARK	4	3	1	-	4	4	-	-	1	1	-	-
LIBERTY	-	-	-	-	-	-	-	-	-	-	-	-
LINCOLN	-	-	-	-	2	2	-	-	1	1	-	-
MCCONE	-	-	-	-	-	-	-	-	-	-	-	-
MADISON	-	-	-	-	-	-	-	-	-	-	-	-
MEAGHER	-	-	-	-	-	-	-	-	-	-	-	-
MINERAL	-	-	-	-	2	2	-	-	-	-	-	-
MISSOULA	5	3	1	1	8	3	1	4	8	6	-	2
MUSSELSHELL	-	-	-	-	-	-	-	-	1	1	-	-
PARK	-	-	-	-	1	-	-	1	3	-	-	3
PETROLEUM	-	-	-	-	-	-	-	-	-	-	-	-
PHILLIPS	1	1	-	-	1	1	-	-	-	-	-	-
PONDERA	-	-	-	-	-	-	-	-	1	-	1	-
POWDER RIVER	-	-	-	-	-	-	-	-	-	-	-	-
POWELL	2	2	-	-	-	-	-	-	-	-	-	-
PRAIRIE	-	-	-	-	-	-	-	-	-	-	-	-
RAVALLI	3	3	-	-	5	5	-	-	4	4	-	-
RICHLAND	-	-	-	-	-	-	-	-	2	1	-	1
ROOSEVELT	1	-	1	-	2	-	2	-	3	1	2	-
ROSEBUD	2	-	1	1	-	-	-	-	1	-	1	-
SANDERS	1	1	-	-	1	1	-	-	3	3	-	-
SHERIDAN	-	-	-	-	-	-	-	-	-	-	-	-
SILVER BOW	3	3	-	-	2	1	-	1	2	2	-	-
STILLWATER	1	1	-	-	-	-	-	-	1	-	-	1
SWEET GRASS	-	-	-	-	1	1	-	-	-	-	-	-
TETON	-	-	-	-	-	-	-	-	1	1	-	-
TOOLE	-	-	-	-	-	-	-	-	-	-	-	-
TREASURE	-	-	-	-	-	-	-	-	-	-	-	-
VALLEY	-	-	-	-	1	1	-	-	-	-	-	-
WHEATLAND	-	-	-	-	-	-	-	-	1	-	-	1
WIBAUX	-	-	-	-	-	-	-	-	-	-	-	-
YELLOWSTONE	9	8	1	-	7	5	-	2	5	5	-	-
YELLOWSTONE PARK	-	-	-	-	-	-	-	-	-	-	-	-
NOT STATED	-	-	-	-	-	-	-	-	-	-	-	-

* AGED 1-17 YEARS.

TABLE S-5

FREQUENCY AND RATE OF MARRIAGE AND MARITAL TERMINATION* BY YEAR
MONTANA OCCURENCES, 1944 - 2003

YEAR	MARRIAGES		MARITAL TERMINATIONS*	
	NUMBER	RATE**	NUMBER	RATE**
1944	6,433	11.2	1,745	3.1
1945	8,147	14.2	2,380	4.1
1946	12,974	22.4	3,212	5.6
1947	9,769	16.8	2,439	4.2
1948	7,131	12.2	2,090	3.6
1949	6,981	11.9	1,995	3.4
1950	7,235	12.2	1,951	3.3
1951	6,307	10.6	1,837	3.1
1952	6,410	10.6	1,989	3.3
1953	6,597	10.7	1,986	3.2
1954	6,575	10.5	1,966	3.2
1955	6,514	10.2	1,909	3.0
1956	6,770	10.3	1,985	3.0
1957	6,495	9.7	2,004	3.0
1958	6,142	9.2	2,023	3.0
1959	6,228	9.3	2,062	3.1
1960	5,883	8.7	2,003	3.0
1961	5,636	8.3	2,034	3.0
1962	5,051	7.1	1,932	2.7
1963	4,854	6.9	1,909	2.7
1964	4,556	6.5	1,981	2.8
1965	4,688	6.6	2,002	2.8
1966	4,914	7.0	2,087	3.0
1967	5,563	7.9	2,361	3.4
1968	6,250	9.0	2,592	3.7
1969	6,444	9.3	2,806	4.0
1970	6,919	10.0	3,051	4.4
1971	7,128	10.0	3,366	4.7
1972	7,674	10.7	3,609	5.0
1973	7,751	10.8	3,772	5.2
1974	7,741	10.5	3,940	5.4
1975	7,331	9.8	4,286	5.7
1976	7,390	9.8	4,850	6.4
1977	7,547	9.9	4,813	6.3
1978	8,136	10.4	4,877	6.2
1979	8,195	10.4	5,106	6.5
1980	8,336	10.6	4,940	6.3
1981	8,209	10.4	5,004	6.3
1982	8,185	10.2	4,612	5.8
1983	8,092	9.9	4,644	5.7
1984	7,659	9.3	4,355	5.3
1985	7,178	8.7	4,258	5.2
1986	6,739	8.2	4,307	5.3
1987	6,540	8.1	4,116	5.1
1988	6,784	8.4	4,063	5.0
1989	6,765	8.4	4,104	5.1
1990	6,924	8.7	4,049	5.1
1991	6,984	8.6	4,443	5.5
1992	7,189	8.7	4,223	5.1
1993	7,041	8.4	4,311	5.1
1994	7,088	8.3	4,196	4.9
1995	6,818	7.8	4,214	4.8
1996	6,609	7.5	4,238	4.8
1997	6,708	7.6	4,058	4.6
1998	6,436	7.3	3,698*	4.2*
1999	6,785	7.7	3,318*	3.8*
2000	6,870	7.6	3,694*	4.1*
2001	6,612	7.3	3,735*	4.1*
2002	6,514	7.2	3,634*	4.0*
2003	6,640	7.2	3,255*	3.5*

* DATA WERE COLLECTED BY THE MONTANA OFFICE OF VITAL STATISTICS (OVS) THROUGH OCTOBER OF 1998 AND BY THE JUDICIAL CASE MANAGEMENT SYSTEM (JCMS) THEREAFTER. DATA COLLECTED BY JCMS ARE NOT COMPARABLE TO THOSE COLLECTED BY OVS AND SHOULD BE USED WITH CAUTION.

** PER 1,000 ESTIMATED MIDYEAR POPULATION. U.S. CENSUS ENUMERATIONS ARE USED FOR YEARS ENDING IN ZERO.

TABLE S-6

FREQUENCY OF LICENSES ISSUED, MARRIAGES SOLEMNIZED,
MARITAL DISSOLUTIONS* AND MARRIAGES INVALIDATED*
BY COUNTY OF OCCURRENCE - MONTANA, 2003

COUNTY	LICENSES ISSUED	MARRIAGES SOLEMNIZED	MARITAL TERMINATIONS	MARITAL DISSOLUTIONS*	INVALID MARRIAGES*
MONTANA, TOTAL	6,640	6,640	3,255	3,232	23
BEAVERHEAD	65	63	31	30	1
BIG HORN	94	81	8	8	-
BLAINE	31	30	5	5	-
BROADWATER	21	35	-	-	-
CARBON	136	187	14	13	1
CARTER	6	6	-	-	-
CASCADE	627	587	390	388	2
CHOUTEAU	22	33	-	-	-
CUSTER	83	85	64	64	-
DANIELS	9	9	3	3	-
DAWSON	54	54	15	15	-
DEER LODGE	53	66	34	33	1
FALLON	17	17	11	11	-
FERGUS	72	86	48	48	-
FLATHEAD	730	729	343	338	5
GALLATIN	657	607	138	138	-
GARFIELD	8	8	-	-	-
GLACIER	86	94	8	8	-
GOLDEN VALLEY	2	2	-	-	-
GRANITE	17	22	1	1	-
HILL	113	112	45	45	-
JEFFERSON	27	51	12	12	-
JUDITH BASIN	3	6	7	7	-
LAKE	173	211	109	107	2
LEWIS & CLARK	444	416	284	282	2
LIBERTY	2	3	8	8	-
LINCOLN	106	118	97	97	-
MCCONE	10	5	-	-	-
MADISON	65	78	14	12	2
MEAGHER	10	14	-	-	-
MINERAL	33	35	-	-	-
MISSOULA	723	624	492	488	4
MUSSELSHELL	23	20	18	18	-
PARK	137	163	-	-	-
PETROLEUM	3	1	-	-	-
PHILLIPS	33	34	2	2	-
PONDERA	30	33	21	21	-
POWDER RIVER	7	7	1	1	-
POWELL	33	38	11	11	-
PRAIRIE	7	5	-	-	-
RAVALLI	214	253	163	163	-
RICHLAND	62	60	18	18	-
ROOSEVELT	58	59	8	8	-
ROSEBUD	28	24	1	1	-
SANDERS	69	78	20	20	-
SHERIDAN	25	24	8	8	-
SILVER BOW	233	223	140	140	-
STILLWATER	71	65	16	16	-
SWEET GRASS	33	35	2	2	-
TETON	35	43	12	12	-
TOOLE	27	28	7	7	-
TREASURE	4	4	3	3	-
VALLEY	35	41	15	15	-
WHEATLAND	13	12	-	-	-
WIBAUX	5	6	-	-	-
YELLOWSTONE	956	907	608	605	3
YELLOWSTONE PARK	-	-	-	-	-
NOT STATED	-	3	-	-	-

* DATA WERE COLLECTED BY THE MONTANA OFFICE OF VITAL STATISTICS (OVS) THROUGH OCTOBER 1998 AND BY THE THE JUDICIAL CASE MANAGEMENT SYSTEM (JCMS) THEREAFTER. DATA COLLECTED BY JCMS ARE NOT COMPARABLE TO THOSE COLLECTED BY OVS AND SHOULD BE USED WITH CAUTION.

TABLE S-7

SELECTED VITAL STATISTICS
FREQUENCIES AND RATES OR RATIOS BY COUNTY
MONTANA, 2003

ITEM	MONTANA		BEAVERHEAD		BIG HORN		BLAINE		BROADWATER		CARBON		CARTER		CASCADE	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
POPULATION	917,621		8,919		12,894		6,729		4,430		9,770		1,333		79,561	
RESIDENCE																
NATURAL INCREASE	2,939	3.2	(8)	-0.9	173	13.4	58	8 4	(8)	-1.8	(12)	-1.2	(7)	-5 2	382	4 8
LIVE BIRTHS, TOTAL	11,384	12 4	82	9.2	264	20.5	123	18.3	36	8.1	76	7.8	7	5.3	1,128	14 2
SEX-MALE	5,797	12.9	42	---	129	---	64	---	17	---	47	---	6	---	617	---
FEMALE	5,587	12.3	40	---	135	---	59	---	19	---	29	---	1	---	511	---
OUT-OF-WEDLOCK	3,656	321 2	19	231.7	101	382 6	68	552.8	9	250.0	18	236 8	1	142.9	365	323 6
DEATHS (EXCLUDING FETALS), TOTAL	8,445	9 2	90	10.1	91	7.1	65	9.7	44	9.9	88	9 0	14	10.5	746	9 4
SEX-MALE	4,332	9 9	48	---	43	---	37	---	20	---	46	---	6	---	392	---
FEMALE	4,113	9 3	42	---	48	---	28	---	24	---	42	---	8	---	354	---
INFANT & FETAL MORTALITY*																
INFANT DEATHS (UNDER 1 YEAR)	77	6 8	1	12.2	1	3.8	-	-	-	-	-	-	-	-	10	8 9
NEONATAL (UNDER 28 DAYS)	42	3.7	-	-	-	-	-	-	-	-	-	-	-	-	4	3.5
POSTNEONATAL (28 DAYS-1 YEAR)	35	3 1	1	12.2	1	3.8	-	-	-	-	-	-	-	-	6	5.3
FETAL DEATHS	55	4 8	-	-	-	-	-	-	-	-	-	-	-	-	5	4 4
PERINATAL DEATHS	97	8.5	-	-	-	-	-	-	-	-	-	-	-	-	9	8.0
LEADING CAUSES OF DEATH **																
HEART DISEASE	1,974	215.1	19	213.0	11	85.3	18	267.5	13	293.5	25	255.9	4	300.1	165	207.4
CANCER	1,838	200.3	18	201.8	19	147.4	5	74.3	9	203 2	21	214 9	-	-	188	236.3
CHRON LOWER RESP. DISEASES	587	64.0	7	78.5	7	54 3	5	74.3	1	22.6	4	40.9	1	75.0	61	76.7
CEREBROVASVULAR DISEASE	571	62 2	4	44 8	6	46.5	5	74 3	1	22.6	6	61 4	1	75.0	39	49.0
ACCIDENTS	515	56.1	8	89.7	10	77 6	6	89 2	-	-	6	61.4	1	75.0	34	42.7
DIABETES	263	28.7	3	33 6	6	46 5	3	44.6	-	-	1	10 2	-	-	29	36.5
PNEUMONIA AND INFLUENZA	257	28 0	2	22.4	4	31.0	4	59 4	8	180 6	2	20.5	2	150.0	14	17 6
ALZHEIMER'S DISEASE	236	25.7	1	11.2	2	15.5	4	59.4	1	22 6	3	30.7	-	-	30	37.7
SUICIDE	179	19.5	3	33.6	-	-	2	29.7	2	45 1	-	-	1	75.0	17	21.4
CHRONIC LIVER DISEASE & CIRRHOSIS	111	12.1	-	-	1	7.8	-	-	1	22 6	3	30.7	-	-	13	16.3
OCCURRENCE																
LIVE BIRTHS, TOTAL	11,418	12 4	87	9.8	255	19.8	2	0.3	1	0 2	27	2.8	-	-	1,442	18.1
DEATHS (EXCLUDING FETAL), TOTAL	8,466	9 2	85	9.5	72	5.6	39	5.8	38	8.6	74	7.6	9	6.8	879	11.0
INFANT (UNDER 1 YEAR)	73	6 4	1	11.5	1	3.9	-	-	-	-	1	37.0	-	-	18	12.5
ACCIDENTAL	544	0.6	8	0.9	14	1.1	10	1.5	-	-	9	0 9	-	-	44	0.6
MOTOR VEHICLE	280	0.3	4	0 4	9	0.7	5	0.7	-	-	5	0.5	-	-	17	0 2
OTHER ACCIDENTAL	264	0.3	4	0 4	5	0 4	5	0.7	-	-	4	0 4	-	-	27	0 3
MARRIAGES SOLUMNIZED	6,640	7 2	63	7.1	81	6 3	30	4 5	35	7.9	187	19.1	6	4 5	587	7.4
MARITAL TERMINATIONS#	3,255	3 5	31	3.5	8	0 6	5	0.7	-	-	14	1 4	-	-	390	4 9

* INFANT AND FETAL MORTALITY RATES ARE SHOWN PER 1,000 LIVE BIRTHS.

** CAUSE-SPECIFIC RESIDENT DEATH RATES ARE SHOWN PER 100,000 ESTIMATED POPULATION. SEE "CAUSE OF DEATH" IN THE "TECHNICAL OVERVIEW" FOR THE INTERNATIONAL CLASSIFICATION OF DISEASE (ICD-9) CODES INCLUDED IN EACH CATEGORY.

--- NOT CALCULATED OR NOT AVAILABLE.

\- QUANITY IS ZERO. (_) VALUE IS LESS THAN ZERO.

DATA WERE COLLECTED BY THE MONTANA OFFICE OF VITAL STATISTICS (OVS) THROUGH OCTOBER 1998 AND BY THE THE JUDICIAL CASE MANAGEMENT SYSTEM (JCMS) THEREAFTER. DATA COLLECTED BY JCMS ARE NOT COMPARABLE TO THOSE COLLECTED BY OVS AND SHOULD BE USED WITH CAUTION.

TABLE S-7 (CONTINUED)

SELECTED VITAL STATISTICS
FREQUENCIES AND RATES OR RATIOS BY COUNTY
MONTANA, 2003

ITEM	MONTANA		CHOUTEAU		CUSTER		DANIELS		DAWSON		DEER LODGE		FALLON		FERGUS	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
POPULATION	917,621		5,576		11,369		1,940		8,776		8,953		2,752		11,695	
RESIDENCE																
NATURAL INCREASE	2,939	3.2	(17)	-3.1	(6)	-0.5	(25)	-12.7	(23)	-2.6	(61)	-6.7	1	0.4	(43)	-3.7
LIVE BIRTHS, TOTAL	11,384	12.4	44	7.9	132	11.6	18	9.3	86	9.8	70	7.8	26	9.4	120	10.3
SEX-MALE	5,797	12.9	24	—	66	—	11	—	41	—	29	—	7	—	64	—
FEMALE	5,587	12.3	20	—	66	—	7	—	45	—	41	—	19	—	56	—
OUT-OF-WEDLOCK	3,656	321.2	6	136.4	58	439.4	5	277.8	14	162.8	31	442.9	6	230.8	40	333.3
DEATHS (EXCLUDING FETALS), TOTAL	8,445	9.2	61	10.9	138	12.1	43	22.2	109	12.4	131	14.6	25	9.1	163	13.9
SEX-MALE	4,332	9.9	29	—	81	—	20	—	59	—	63	—	12	—	70	—
FEMALE	4,113	9.3	32	—	57	—	23	—	50	—	68	—	13	—	93	—
INFANT & FETAL MORTALITY*																
INFANT DEATHS (UNDER 1 YEAR)	77	6.8	-	-	1	7.6	-	-	2	23.3	1	14.3	-	-	1	8.3
NEONATAL (UNDER 28 DAYS)	42	3.7	-	-	1	7.6	-	-	1	11.6	1	14.3	-	-	1	8.3
POSTNEONATAL (28 DAYS-1 YEAR)	35	3.1	-	-	-	-	-	-	1	11.6	-	-	-	-	-	-
FETAL DEATHS	55	4.8	-	-	1	7.6	-	-	1	11.6	1	14.3	-	-	-	-
PERINATAL DEATHS	97	8.5	-	-	2	15.2	-	-	2	23.3	2	28.6	-	-	1	8.3
LEADING CAUSES OF DEATH **																
HEART DISEASE	1,974	215.1	16	286.9	36	316.7	13	670.1	25	284.9	28	312.7	7	254.4	38	324.9
CANCER	1,838	200.3	12	215.2	38	334.2	9	463.9	24	273.5	29	323.9	4	145.3	33	282.2
CHRON. LOWER RESP. DISEASES	587	64.0	6	107.6	6	52.8	4	206.2	6	68.4	13	145.2	-	-	8	68.4
CEREBROVASVULAR DISEASE	571	62.2	6	107.6	1	8.8	1	51.5	5	57.0	9	100.5	1	36.3	16	136.8
ACCIDENTS	515	56.1	1	17.9	3	26.4	-	-	1	11.4	8	89.4	-	-	3	25.7
DIABETES	263	28.7	4	71.7	9	79.2	5	257.7	2	22.8	7	78.2	4	145.3	6	51.3
PNEUMONIA AND INFLUENZA	257	28.0	1	17.9	4	35.2	-	-	5	57.0	3	33.5	-	-	8	68.4
ALZHEIMER'S DISEASE	236	25.7	2	35.9	5	44.0	1	51.5	3	34.2	3	33.5	-	-	5	42.8
SUICIDE	179	19.5	1	17.9	3	26.4	-	-	2	22.8	4	44.7	1	36.3	1	8.6
CHRONIC LIVER DISEASE & CIRRHOSIS	111	12.1	2	35.9	-	-	-	-	2	22.8	2	22.3	-	-	1	8.6
OCCURRENCE																
LIVE BIRTHS, TOTAL	11,418	12.4	-	-	238	20.9	-	-	49	5.6	38	4.2	2	0.7	107	9.1
DEATHS (EXCLUDING FETAL), TOTAL	8,466	9.2	51	9.1	159	14.0	38	19.6	115	13.1	106	11.8	31	11.3	158	13.5
INFANT (UNDER 1 YEAR)	73	6.4	-	-	1	4.2	-	-	-	-	1	26.3	-	-	-	-
ACCIDENTAL	544	0.6	5	0.9	5	0.4	-	-	1	0.1	4	0.4	1	0.4	2	0.2
MOTOR VEHICLE	280	0.3	5	0.9	3	0.3	-	-	-	-	2	0.2	1	0.4	1	0.1
OTHER ACCIDENTAL	264	0.3	-	-	2	0.2	-	-	1	0.1	2	0.2	-	-	1	0.1
MARRIAGES SOLUMNIZED	6,640	7.2	33	5.9	85	7.5	9	4.6	54	6.2	66	7.4	17	6.2	86	7.4
MARITAL TERMINATIONS#	3,255	3.5	-	-	64	5.6	3	1.5	15	1.7	34	3.8	11	4.0	48	4.1

* INFANT AND FETAL MORTALITY RATES ARE SHOWN PER 1,000 LIVE BIRTHS.

** CAUSE-SPECIFIC RESIDENT DEATH RATES ARE SHOWN PER 100,000 ESTIMATED POPULATION. SEE "CAUSE OF DEATH" IN THE "TECHNICAL OVERVIEW" FOR THE INTERNATIONAL CLASSIFICATION OF DISEASE (ICD-9) CODES INCLUDED IN EACH CATEGORY.

— NOT CALCULATED OR NOT AVAILABLE.

\- QUANITY IS ZERO. (_) VALUE IS LESS THAN ZERO.

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TABLE S-7 (CONTINUED)

SELECTED VITAL STATISTICS
FREQUENCIES AND RATES OR RATIOS BY COUNTY
MONTANA, 2003

ITEM	MONTANA		FLATHEAD		GALLATIN		GARFIELD		GLACIER		GOLDEN VALLEY		GRANITE		HILL	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
POPULATION	917,621		79,485		73,243		1,233		13,250		1,047		2,894		16,350	
RESIDENCE																
NATURAL INCREASE	2,939	3.2	221	2.9	603	8.5	(1)	-0.8	175	13.4	3	2.8	-	-	85	5 2
LIVE BIRTHS, TOTAL	11,384	12.4	977	12.3	1,014	13.8	13	10.5	277	20.9	9	8.6	26	9.0	231	14.1
SEX-MALE	5,797	12.9	505	---	516	---	6	---	136	---	6	---	13	---	107	---
FEMALE	5,587	12.3	472	---	498	---	7	---	141	---	3	---	13	---	124	---
OUT-OF-WEDLOCK	3,656	321 2	272	278.4	168	165.7	-	-	199	718.4	2	222 2	5	192.3	114	493 5
DEATHS (EXCLUDING FETALS), TOTAL	8,445	9 2	756	9 5	411	5.6	14	11.4	102	7.7	6	5.7	26	9 0	146	8.9
SEX-MALE	4,332	9.9	362	---	215	---	9	---	61	---	5	---	13	---	80	---
FEMALE	4,113	9.3	394	---	196	---	5	---	41	---	1	---	13	---	66	---
INFANT & FETAL MORTALITY*																
INFANT DEATHS (UNDER 1 YEAR)	77	6.8	3	3.1	6	5.9	-	-	5	18.1	-	-	1	38.5	3	13.0
NEONATAL (UNDER 28 DAYS)	42	3 7	3	3.1	2	2.0	-	-	1	3.6	-	-	-	-	3	13.0
POSTNEONATAL (28 DAYS-1 YEAR)	35	3.1	-	-	4	3.9	-	-	4	14.4	-	-	1	38.5	-	-
FETAL DEATHS	55	4 8	7	7.2	4	3.9	-	-	1	3.6	-	-	-	-	1	4.3
PERINATAL DEATHS	97	8 5	10	10.2	6	5.9	-	-	2	7.2	-	-	-	-	4	17.3
LEADING CAUSES OF DEATH **																
HEART DISEASE	1,974	215.1	174	218.9	55	75.1	5	405.5	18	135.8	1	95.5	8	276.4	34	208.0
CANCER	1,838	200.3	161	202.6	115	157.0	4	324.4	15	113.2	2	191.0	10	345.5	35	214.1
CHRON. LOWER RESP. DISEASES	587	64.0	45	56.6	25	34.1	1	81.1	5	37.7	1	95.5	-	-	10	61.2
CEREBROVASVULAR DISEASE	571	62.2	62	78.0	38	51.9	1	81.1	2	15.1	-	-	1	34.6	11	67.3
ACCIDENTS	515	56.1	34	42.8	38	51.9	-	-	15	113.2	-	-	-	-	12	73.4
DIABETES	263	28.7	22	27.7	11	15.0	-	-	7	52.8	-	-	-	-	4	24.5
PNEUMONIA AND INFLUENZA	257	28 0	28	35 2	14	19 1	2	162.2	-	-	-	-	-	-	5	30.6
ALZHEIMER'S DISEASE	236	25.7	21	26 4	2	2.7	-	-	-	-	-	-	1	34.6	2	12.2
SUICIDE	179	19.5	23	28.9	12	16 4	-	-	4	30.2	-	-	1	34.6	2	12.2
CHRONIC LIVER DISEASE & CIRRHOSIS	111	12.1	13	16.4	3	4.1	-	-	4	30.2	-	-	-	-	3	18.3
OCCURRENCE																
LIVE BIRTHS, TOTAL	11,418	12 4	1,049	13.2	1,044	14 3	-	-	244	18.4	1	1.0	-	-	339	20.7
DEATHS (EXCLUDING FETAL), TOTAL	8,466	9 2	780	9 8	385	5.3	11	8.9	73	5.5	-	-	23	7.9	128	7.8
INFANT (UNDER 1 YEAR)	73	6 4	3	2.9	2	1.9	-	-	4	16.4	-	-	1	-	1	2.9
ACCIDENTAL	544	0.6	39	0.5	40	0.5	-	-	11	0.8	-	-	1	0.3	6	0.4
MOTOR VEHICLE	280	0 3	25	0.3	24	0 3	-	-	7	0.5	-	-	1	0.3	2	0.1
OTHER ACCIDENTAL	264	0.3	14	0.2	16	0.2	-	-	4	0.3	-	-	-	-	4	0.2
MARRIAGES SOLUMNIZED	6,640	7.2	729	9.2	607	8.3	8	6.5	94	7.1	2	1.9	22	7.6	112	6.9
MARITAL TERMINATIONS#	3,255	3.5	343	4.3	138	1.9	-	-	8	0.6	-	-	1	0 3	45	2 8

* INFANT AND FETAL MORTALITY RATES ARE SHOWN PER 1,000 LIVE BIRTHS.

** CAUSE-SPECIFIC RESIDENT DEATH RATES ARE SHOWN PER 100,000 ESTIMATED POPULATION. SEE "CAUSE OF DEATH" IN THE "TECHNICAL OVERVIEW" FOR THE INTERNATIONAL CLASSIFICATION OF DISEASE (ICD-9) CODES INCLUDED IN EACH CATEGORY.

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TABLE S-7 (CONTINUED)

SELECTED VITAL STATISTICS
FREQUENCIES AND RATES OR RATIOS BY COUNTY
MONTANA, 2003

ITEM	MONTANA		JEFFERSON		JUDITH BASIN		LAKE		LEWIS & CLARK		LIBERTY		LINCOLN		MCCONE	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
POPULATION	917,621		10,499		2,192		27,197		57,137		2,055		18,835		1,818	
RESIDENCE																
NATURAL INCREASE	2,939	3.2	12	1.2	(9)	-4.0	142	5.3	193	3.4	(5)	-2.5	(9)	-0.5	(4)	-2.2
LIVE BIRTHS, TOTAL	11,384	12.4	92	8.8	18	8.2	390	14.3	653	11.4	18	8.8	183	9.7	11	6.1
SEX-MALE	5,797	12.9	50	—	7	—	189	—	328	—	11	—	97	—	5	—
FEMALE	5,587	12.3	42	—	11	—	201	—	325	—	7	—	86	—	6	—
OUT-OF-WEDLOCK	3,656	321.2	20	217.4	1	55.6	202	517.9	177	271.1	1	55.6	53	289.6	3	272.7
DEATHS (EXCLUDING FETALS), TOTAL	8,445	9.2	80	7.6	27	12.3	248	9.1	460	8.1	23	11.2	192	10.2	15	8.3
SEX-MALE	4,332	9.9	44	---	18	---	141	—	234	—	15	—	122	—	7	—
FEMALE	4,113	9.3	36	---	9	—	107	—	226	---	8	—	70	—	8	—
INFANT & FETAL MORTALITY*																
INFANT DEATHS (UNDER 1 YEAR)	77	6.8	-	-	-	-	5	12.8	4	6.1	-	-	2	10.9	-	-
NEONATAL (UNDER 28 DAYS)	42	3.7	-	-	-	-	4	10.3	1	1.5	-	-	1	5.5	-	-
POSTNEONATAL (28 DAYS-1 YEAR)	35	3.1	-	-	-	-	1	2.6	3	4.6	-	-	1	5.5	-	-
FETAL DEATHS	55	4.8	-	-	-	-	2	5.1	4	6.1	-	-	-	-	-	-
PERINATAL DEATHS	97	8.5	-	-	-	-	6	15.4	5	7.7	-	-	1	5.5	-	-
LEADING CAUSES OF DEATH **																
HEART DISEASE	1,974	215.1	23	219.1	9	410.6	61	224.3	103	180.3	10	486.6	44	233.6	4	220.0
CANCER	1,838	200.3	18	171.4	11	501.8	43	158.1	108	189.0	3	146.0	44	233.6	4	220.0
CHRON. LOWER RESP. DISEASES	587	64.0	7	66.7	1	45.6	16	58.8	29	50.8	1	48.7	15	79.6	-	-
CEREBROVASVULAR DISEASE	571	62.2	6	57.1	-	-	17	62.5	37	64.8	1	48.7	15	79.6	1	55.0
ACCIDENTS	515	56.1	2	19.0	1	45.6	34	125.0	27	47.3	-	-	16	84.9	2	110.0
DIABETES	263	28.7	3	28.6	-	-	5	18.4	11	19.3	2	97.3	4	21.2	1	55.0
PNEUMONIA AND INFLUENZA	257	28.0	1	9.5	-	-	7	25.7	12	21.0	1	48.7	1	5.3	-	-
ALZHEIMER'S DISEASE	236	25.7	-	-	1	45.6	4	14.7	15	26.3	1	48.7	1	5.3	-	-
SUICIDE	179	19.5	2	19.0	1	45.6	5	18.4	6	10.5	-	-	4	21.2	-	-
CHRONIC LIVER DISEASE & CIRRHOSIS	111	12.1	3	28.6	-	-	5	18.4	8	14.0	-	-	3	15.9	-	-
OCCURRENCE																
LIVE BIRTHS, TOTAL	11,418	12.4	1	0.1	-	-	295	10.8	713	12.5	14	6.8	107	5.7	-	-
DEATHS (EXCLUDING FETAL), TOTAL	8,466	9.2	42	4.0	11	5.0	192	7.1	476	8.3	27	13.1	164	8.7	12	6.6
INFANT (UNDER 1 YEAR)	73	6.4	-	-	-	-	2	6.8	2	2.8	-	-	1	9.3	-	-
ACCIDENTAL	544	0.6	3	0.3	1	0.5	31	1.1	22	0.4	-	-	13	0.7	1	0.6
MOTOR VEHICLE	280	0.3	3	0.3	-	-	19	0.7	5	0.1	-	-	7	0.4	1	0.6
OTHER ACCIDENTAL	264	0.3	-	-	1	0.5	12	0.4	17	0.3	-	-	6	0.3	-	-
MARRIAGES SOLUMNIZED	6,640	7.2	51	4.9	6	2.7	211	7.8	416	7.3	3	1.5	118	6.3	5	2.8
MARITAL TERMINATIONS#	3,255	3.5	12	1.1	7	3.2	109	4.0	284	5.0	8	3.9	97	5.1	-	-

* INFANT AND FETAL MORTALITY RATES ARE SHOWN PER 1,000 LIVE BIRTHS.

** CAUSE-SPECIFIC RESIDENT DEATH RATES ARE SHOWN PER 100,000 ESTIMATED POPULATION. SEE "CAUSE OF DEATH" IN THE "TECHNICAL OVERVIEW" FOR THE INTERNATIONAL CLASSIFICATION OF DISEASE (ICD-9) CODES INCLUDED IN EACH CATEGORY.

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TABLE S-7 (CONTINUED)

SELECTED VITAL STATISTICS
FREQUENCIES AND RATES OR RATIOS BY COUNTY
MONTANA, 2003

ITEM	MONTANA		MADISON		MEAGHER		MINERAL		MISSOULA		MUSSELSHELL		PARK		PETROLEUM	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
POPULATION	917,621		6,967		1,967		3,884		98,616		4,464		15,840		491	
RESIDENCE																
NATURAL INCREASE	2,939	3.2	(20)	-2.9	(3)	-1.5	(7)	-1.8	444	4.5	(1)	-0.2	19	1.2	5	10.0
LIVE BIRTHS, TOTAL	11,384	12.4	56	8.0	26	13.2	46	11.8	1,147	11.6	59	13.2	154	9.7	7	14.3
SEX-MALE	5,797	12.9	35	---	14	---	25	---	573	---	29	---	85	---	5	---
FEMALE	5,587	12.3	21	---	12	---	21	---	574	---	30	---	69	---	2	---
OUT-OF-WEDLOCK	3,656	321.2	12	214.3	7	269.2	21	456.5	337	293.8	22	372.9	43	279.2	-	-
DEATHS (EXCLUDING FETALS), TOTAL	8,445	9.2	76	10.9	29	14.7	53	13.6	703	7.1	60	13.4	135	8.5	2	4.1
SEX-MALE	4,332	9.9	41	---	11	---	25	---	320	---	33	---	70	---	2	---
FEMALE	4,113	9.3	35	---	18	---	28	---	383	---	27	---	65	---	-	---
INFANT & FETAL MORTALITY*																
INFANT DEATHS (UNDER 1 YEAR)	77	6.8	-	-	-	-	2	43.5	8	7.0	-	-	1	6.5	-	-
NEONATAL (UNDER 28 DAYS)	42	3.7	-	-	-	-	1	21.7	5	4.4	-	-	1	6.5	-	-
POSTNEONATAL (28 DAYS-1 YEAR)	35	3.1	-	-	-	-	1	21.7	3	2.6	-	-	-	-	-	-
FETAL DEATHS	55	4.8	-	-	-	-	-	-	5	4.4	-	-	-	-	-	-
PERINATAL DEATHS	97	8.5	-	-	-	-	1	21.7	10	8.7	-	-	1	6.5	-	-
LEADING CAUSES OF DEATH **																
HEART DISEASE	1,974	215.1	17	244.0	5	254.2	13	334.7	141	143.0	20	448.0	26	164.1	1	203.7
CANCER	1,838	200.3	15	215.3	7	355.9	6	154.5	136	137.9	14	313.6	37	233.6	-	-
CHRON. LOWER RESP. DISEASES	587	64.0	5	71.8	1	50.8	6	154.5	57	57.8	7	156.8	8	50.5	-	-
CEREBROVASVULAR DISEASE	571	62.2	4	57.4	4	203.4	5	128.7	53	53.7	3	67.2	7	44.2	-	-
ACCIDENTS	515	56.1	5	71.8	2	101.7	6	154.5	53	53.7	4	89.6	17	107.3	-	-
DIABETES	263	28.7	2	28.7	1	50.8	-	-	23	23.3	1	22.4	3	18.9	-	-
PNEUMONIA AND INFLUENZA	257	28.0	3	43.1	2	101.7	-	-	25	25.4	-	-	2	12.6	-	-
ALZHEIMER'S DISEASE	236	25.7	-	-	-	-	2	51.5	24	24.3	1	22.4	4	25.3	-	-
SUICIDE	179	19.5	4	57.4	-	-	2	51.5	15	15.2	1	22.4	4	25.3	-	-
CHRONIC LIVER DISEASE & CIRRHOSIS	111	12.1	1	14.4	-	-	1	25.7	5	5.1	-	-	2	12.6	-	-
OCCURRENCE																
LIVE BIRTHS, TOTAL	11,418	12.4	1	0.1	-	-	-	-	1,673	17.0	-	-	150	9.5	-	-
DEATHS (EXCLUDING FETAL), TOTAL	8,466	9.2	64	9.2	27	13.7	40	10.3	905	9.2	40	9.0	127	8.0	-	-
INFANT (UNDER 1 YEAR)	73	6.4	-	-	-	-	1	-	15	9.0	1	-	-	-	-	-
ACCIDENTAL	544	0.6	3	0.4	2	1.0	7	1.8	70	0.7	-	-	17	1.1	-	-
MOTOR VEHICLE	280	0.3	2	0.3	2	1.0	6	1.5	27	0.3	-	-	7	0.4	-	-
OTHER ACCIDENTAL	264	0.3	1	0.1	-	-	1	0.3	43	0.4	-	-	10	0.6	-	-
MARRIAGES SOLUMNIZED	6,640	7.2	78	11.2	14	7.1	35	9.0	624	6.3	20	4.5	163	10.3	1	2.0
MARITAL TERMINATIONS#	3,255	3.5	14	2.0	-	-	-	-	492	5.0	18	4.0	-	-	-	-

* INFANT AND FETAL MORTALITY RATES ARE SHOWN PER 1,000 LIVE BIRTHS.

** CAUSE-SPECIFIC RESIDENT DEATH RATES ARE SHOWN PER 100,000 ESTIMATED POPULATION. SEE "CAUSE OF DEATH" IN THE "TECHNICAL OVERVIEW" FOR THE INTERNATIONAL CLASSIFICATION OF DISEASE (ICD-9) CODES INCLUDED IN EACH CATEGORY.

--- NOT CALCULATED OR NOT AVAILABLE.

\- QUANITY IS ZERO. (_) VALUE IS LESS THAN ZERO.

DATA WERE COLLECTED BY THE MONTANA OFFICE OF VITAL STATISTICS (OVS) THROUGH OCTOBER 1998 AND BY THE THE JUDICIAL CASE MANAGEMENT SYSTEM (JCMS) THEREAFTER. DATA COLLECTED BY JCMS ARE NOT COMPARABLE TO THOSE COLLECTED BY OVS AND SHOULD BE USED WITH CAUTION.

TABLE S-7 (CONTINUED)

SELECTED VITAL STATISTICS
FREQUENCIES AND RATES OR RATIOS BY COUNTY
MONTANA, 2003

ITEM	MONTANA		PHILLIPS		PONDERA		POWDER RIVER		POWELL		PRAIRIE		RAVALLI		RICHLAND	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
POPULATION	917,621		4,271		6,166		1,834		7,006		1,154		38,662		9,155	
RESIDENCE																
NATURAL INCREASE	2,939	3 2	-	-	2	0.3	(13)	-7.1	(22)	-3.1	(16)	-13 4	87	2.3	(28)	-3.0
LIVE BIRTHS, TOTAL	11,384	12 4	47	11.0	75	12.2	11	6.0	60	8 6	12	10 4	458	11.8	80	8.7
SEX-MALE	5,797	12.9	25	—	37	—	7	—	30	—	10	—	211	—	42	—
FEMALE	5,587	12 3	22	—	38	—	4	—	30	—	2	—	247	—	38	—
OUT-OF-WEDLOCK	3,656	321 2	13	276.6	29	386.7	3	272.7	19	316.7	2	166 7	114	248 9	26	325.0
DEATHS (EXCLUDING FETALS), TOTAL	8,445	9 2	47	11.0	73	11.8	24	13 1	82	11 7	28	24.3	371	9 6	108	11.8
SEX-MALE	4,332	9.9	17	—	37	—	11	—	44	—	16	—	197	—	54	—
FEMALE	4,113	9.3	30	—	36	—	13	—	38	—	12	—	174	—	54	—
INFANT & FETAL MORTALITY*																
INFANT DEATHS (UNDER 1 YEAR)	77	6 8	1	21 3	-	-	-	-	-	-	-	-	5	10.9	-	-
NEONATAL (UNDER 28 DAYS)	42	3 7	-	-	-	-	-	-	-	-	-	-	4	8.7	-	-
POSTNEONATAL (28 DAYS-1 YEAR)	35	3.1	1	21.3	-	-	-	-	-	-	-	-	1	2 2	-	-
FETAL DEATHS	55	4.8	1	21.3	-	-	-	-	2	33.3	-	-	3	6.6	-	-
PERINATAL DEATHS	97	8.5	1	21 3	-	-	-	-	2	33.3	-	-	7	15.3	-	-
LEADING CAUSES OF DEATH **																
HEART DISEASE	1,974	215 1	16	374 6	19	308.1	6	327 2	21	299.7	6	519.9	88	227.6	42	458.8
CANCER	1,838	200.3	10	234 1	15	243.3	3	163 6	13	185.6	7	606 6	83	214.7	21	229 4
CHRON. LOWER RESP. DISEASES	587	64.0	4	93.7	6	97.3	2	109.1	7	99 9	1	86.7	17	44 0	3	32.8
CEREBROVASVULAR DISEASE	571	62.2	3	70.2	4	64 9	2	109 1	4	57.1	3	260 0	22	56.9	6	65.5
ACCIDENTS	515	56.1	2	46 8	3	48 7	2	109 1	5	71 4	1	86.7	26	67.2	3	32.8
DIABETES	263	28.7	1	23.4	1	16.2	1	54 5	3	42.8	2	173.3	5	12.9	2	21.8
PNEUMONIA AND INFLUENZA	257	28 0	2	46 8	2	32.4	-	-	5	71.4	2	173 3	10	25.9	1	10.9
ALZHEIMER'S DISEASE	236	25.7	1	23 4	1	16.2	-	-	1	14 3	-	-	15	38.8	4	43 7
SUICIDE	179	19 5	2	46 8	-	-	1	54.5	3	42 8	-	-	8	20 7	1	10.9
CHRONIC LIVER DISEASE & CIRRHOSIS	111	12.1	-	-	-	-	1	54 5	2	28 5	-	-	3	7.8	-	-
OCCURRENCE																
LIVE BIRTHS, TOTAL	11,418	12 4	2	0.5	28	4.5	-	-	19	2.7	-	-	230	5 9	100	10.9
DEATHS (EXCLUDING FETAL), TOTAL	8,466	9 2	42	9 8	59	9.6	14	7 6	71	10.1	19	16.5	305	7.9	107	11.7
INFANT (UNDER 1 YEAR)	73	6 4	-	-	-	-	-	-	-	-	-	-	2	8.7	-	-
ACCIDENTAL	544	0.6	3	0.7	6	1.0	2	1 1	7	1.0	1	0.9	16	0 4	3	0.3
MOTOR VEHICLE	280	0 3	3	0.7	6	1 0	2	1.1	5	0.7	-	-	7	0 2	1	0.1
OTHER ACCIDENTAL	264	0.3	-	-	-	-	-	-	2	0 3	1	0.9	9	0 2	2	0.2
MARRIAGES SOLUMNIZED	6,640	7 2	34	8 0	33	5.4	7	3 8	38	5 4	5	4.3	253	6 5	60	6 6
MARITAL TERMINATIONS#	3,255	3 5	2	0.5	21	3.4	1	0.5	11	1.6	-	-	163	4 2	18	2.0

* INFANT AND FETAL MORTALITY RATES ARE SHOWN PER 1,000 LIVE BIRTHS.

** CAUSE-SPECIFIC RESIDENT DEATH RATES ARE SHOWN PER 100,000 ESTIMATED POPULATION. SEE "CAUSE OF DEATH" IN THE "TECHNICAL OVERVIEW" FOR THE INTERNATIONAL CLASSIFICATION OF DISEASE (ICD-9) CODES INCLUDED IN EACH CATEGORY.

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TABLE S-7 (CONTINUED)

SELECTED VITAL STATISTICS
FREQUENCIES AND RATES OR RATIOS BY COUNTY
MONTANA, 2003

ITEM	MONTANA		ROOSEVELT		ROSEBUD		SANDERS		SHERIDAN		SILVER BOW		STILLWATER		SWEET GRASS	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
POPULATION	917,621		10,451		9,303		10,455		3,668		33,208		8,459		3,604	
RESIDENCE																
NATURAL INCREASE	2,939	3.2	44	4.2	90	9.7	(20)	-1.9	(29)	-7.6	(4)	-0.1	34	4.0	2	0.6
LIVE BIRTHS, TOTAL	11,384	12.4	180	17.2	165	17.7	104	9.9	22	6.0	398	12.0	99	11.7	33	9.2
SEX-MALE	5,797	12.9	78	—	84	—	52	—	11	—	202	—	57	—	19	—
FEMALE	5,587	12.3	102	—	81	—	52	—	11	—	196	—	42	—	14	—
OUT-OF-WEDLOCK	3,656	321.2	122	677.8	75	454.5	34	326.9	6	272.7	157	394.5	16	161.6	7	212.1
DEATHS (EXCLUDING FETALS), TOTAL	8,445	9.2	136	13.0	75	8.1	124	11.9	51	13.9	402	12.1	65	7.7	31	8.6
SEX-MALE	4,332	9.9	74	—	45	—	68	—	28	—	205	—	35	—	13	—
FEMALE	4,113	9.3	62	—	30	—	56	—	23	—	197	—	30	—	18	—
INFANT & FETAL MORTALITY*																
INFANT DEATHS (UNDER 1 YEAR)	77	6.8	2	11.1	-	-	1	9.6	-	-	2	5.0	-	-	1	30.3
NEONATAL (UNDER 28 DAYS)	42	3.7	-	-	-	-	-	-	-	-	2	5.0	-	-	1	30.3
POSTNEONATAL (28 DAYS-1 YEAR)	35	3.1	2	11.1	-	-	1	9.6	-	-	-	-	-	-	-	-
FETAL DEATHS	55	4.8	1	5.6	2	12.1	1	9.6	-	-	3	7.5	1	10.1	-	-
PERINATAL DEATHS	97	8.5	1	5.6	2	12.1	1	9.6	-	-	5	12.6	1	10.1	1	30.3
LEADING CAUSES OF DEATH **																
HEART DISEASE	1,974	215.1	31	296.6	17	182.7	36	344.3	15	408.9	120	361.4	18	212.8	3	83.2
CANCER	1,838	200.3	19	181.8	16	172.0	32	306.1	15	408.9	67	201.8	7	82.8	6	166.5
CHRON. LOWER RESP. DISEASES	587	64.0	8	76.5	2	21.5	6	57.4	1	27.3	41	123.5	12	141.9	2	55.5
CEREBROVASVULAR DISEASE	571	62.2	13	124.4	1	10.7	10	95.6	2	54.5	24	72.3	9	106.4	1	27.7
ACCIDENTS	515	56.1	16	153.1	10	107.5	10	95.6	1	27.3	10	30.1	4	47.3	1	27.7
DIABETES	263	28.7	4	38.3	6	64.5	1	9.6	3	81.8	15	45.2	-	-	-	-
PNEUMONIA AND INFLUENZA	257	28.0	4	38.3	3	32.2	3	28.7	3	81.8	12	36.1	1	11.8	3	83.2
ALZHEIMER'S DISEASE	236	25.7	6	57.4	1	10.7	3	28.7	-	-	13	39.1	4	47.3	-	-
SUICIDE	179	19.5	7	67.0	-	-	4	38.3	1	27.3	7	21.1	-	-	1	27.7
CHRONIC LIVER DISEASE & CIRRHOSIS	111	12.1	2	19.1	2	21.5	-	-	-	-	6	18.1	2	23.6	1	27.7
OCCURRENCE																
LIVE BIRTHS, TOTAL	11,418	12.4	94	9.0	4	0.4	33	3.2	20	5.5	461	13.9	2	0.2	-	-
DEATHS (EXCLUDING FETAL), TOTAL	8,466	9.2	99	9.5	52	5.6	99	9.5	49	13.4	422	12.7	59	7.0	28	7.8
INFANT (UNDER 1 YEAR)	73	6.4	2	21.3	-	-	-	-	-	-	1	2.2	-	-	-	-
ACCIDENTAL	544	0.6	9	0.9	9	1.0	9	0.9	1	0.3	10	0.3	5	0.6	1	0.3
MOTOR VEHICLE	280	0.3	4	0.4	3	0.3	5	0.5	-	-	7	0.2	3	0.4	-	-
OTHER ACCIDENTAL	264	0.3	5	0.5	6	0.6	4	0.4	1	0.3	3	0.1	2	0.2	1	0.3
MARRIAGES SOLUMNIZED	6,640	7.2	59	5.6	24	2.6	78	7.5	24	6.5	223	6.7	65	7.7	35	9.7
MARITAL TERMINATIONS#	3,255	3.5	8	0.8	1	0.1	20	1.9	8	2.2	140	4.2	16	1.9	2	0.6

* INFANT AND FETAL MORTALITY RATES ARE SHOWN PER 1,000 LIVE BIRTHS.

** CAUSE-SPECIFIC RESIDENT DEATH RATES ARE SHOWN PER 100,000 ESTIMATED POPULATION. SEE "CAUSE OF DEATH" IN THE "TECHNICAL OVERVIEW" FOR THE INTERNATIONAL CLASSIFICATION OF DISEASE (ICD-9) CODES INCLUDED IN EACH CATEGORY.

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TABLE S-7 (CONCLUDED)

SELECTED VITAL STATISTICS
FREQUENCIES AND RATES OR RATIOS BY COUNTY
MONTANA, 2003

ITEM	MONTANA		TETON		TOOLE		TREASURE		VALLEY		WHEATLAND		WIBAUX		YELLOWSTONE	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
POPULATION	917,621		6,369		5,337		735		7,349		2,106		977		133,191	
RESIDENCE																
NATURAL INCREASE	2,939	3.2	1	0.2	(12)	-2.4	(4)	-5.1	(21)	-2.8	(11)	-5.1	(14)	-13.4	623	4.7
LIVE BIRTHS, TOTAL	11,384	12.4	73	11.5	45	8.4	4	5.4	80	10.9	20	9.5	6	6.1	1,790	13.4
SEX-MALE	5,797	12.9	38	—	28	—	2	—	40	—	9	—	3	—	905	—
FEMALE	5,587	12.3	35	—	17	—	2	—	40	—	11	—	3	—	885	—
OUT-OF-WEDLOCK	3,656	321.2	8	109.6	16	355.6	1	250.0	31	387.5	4	200.0	-	-	573	320.1
DEATHS (EXCLUDING FETALS), TOTAL	8,445	9.2	72	11.3	57	10.7	8	10.9	101	13.7	31	14.7	20	20.5	1,167	8.8
SEX-MALE	4,332	9.9	37	—	28	—	4	—	45	—	17	—	11	—	592	—
FEMALE	4,113	9.3	35	—	29	—	4	—	56	—	14	—	9	—	575	—
INFANT & FETAL MORTALITY*																
INFANT DEATHS (UNDER 1 YEAR)	77	6.8	-	-	-	-	-	-	1	12.5	-	-	-	-	7	3.9
NEONATAL (UNDER 28 DAYS)	42	3.7	-	-	-	-	-	-	-	-	-	-	-	-	5	2.8
POSTNEONATAL (28 DAYS-1 YEAR)	35	3.1	-	-	-	-	-	-	1	12.5	-	-	-	-	2	1.1
FETAL DEATHS	55	4.8	-	-	-	-	-	-	-	-	-	-	-	-	9	5.0
PERINATAL DEATHS	97	8.5	-	-	-	-	-	-	-	-	-	-	-	-	14	7.8
LEADING CAUSES OF DEATH **																
HEART DISEASE	1,974	215.1	16	251.2	8	149.9	3	408.2	22	299.4	9	427.4	8	818.8	280	210.2
CANCER	1,838	200.3	10	157.0	19	356.0	2	272.1	31	421.8	5	237.4	3	307.1	257	193.0
CHRON. LOWER RESP. DISEASES	587	64.0	4	62.8	7	131.2	2	272.1	5	68.0	1	47.5	1	102.4	86	64.6
CEREBROVASVULAR DISEASE	571	62.2	6	94.2	2	37.5	-	-	9	122.5	1	47.5	1	102.4	79	59.3
ACCIDENTS	515	56.1	6	94.2	3	56.2	-	-	5	68.0	6	284.9	1	102.4	51	38.3
DIABETES	263	28.7	5	78.5	2	37.5	1	136.1	1	13.6	-	-	-	-	31	23.3
PNEUMONIA AND INFLUENZA	257	28.0	3	47.1	-	-	-	-	5	68.0	1	47.5	-	-	37	27.8
ALZHEIMER'S DISEASE	236	25.7	2	31.4	3	56.2	-	-	2	27.2	-	-	1	102.4	40	30.0
SUICIDE	179	19.5	1	15.7	-	-	-	-	-	-	2	95.0	-	-	18	13.5
CHRONIC LIVER DISEASE & CIRRHOSIS	111	12.1	1	15.7	-	-	-	-	1	13.6	1	47.5	1	102.4	12	9.0
OCCURRENCE																
LIVE BIRTHS, TOTAL	11,418	12.4	2	0.3	51	9.6	-	-	136	18.5	-	-	-	-	2,357	17.7
DEATHS (EXCLUDING FETAL), TOTAL	8,466	9.2	50	7.9	52	9.7	4	5.4	101	13.7	19	9.0	11	11.3	1,423	10.7
INFANT (UNDER 1 YEAR)	73	6.4	-	-	-	-	-	-	1	7.4	-	-	-	-	11	4.7
ACCIDENTAL	544	0.6	1	0.2	3	0.6	2	2.7	9	1.2	3	1.4	-	-	74	0.6
MOTOR VEHICLE	280	0.3	1	0.2	-	-	2	2.7	7	1.0	1	0.5	-	-	33	0.2
OTHER ACCIDENTAL	264	0.3	-	-	3	0.6	-	-	2	0.3	2	0.9	-	-	41	0.3
MARRIAGES SOLUMNIZED	6,640	7.2	43	6.8	28	5.2	4	5.4	41	5.6	12	5.7	6	6.1	907	6.8
MARITAL TERMINATIONS#	3,255	3.5	12	1.9	7	1.3	3	4.1	15	2.0	-	-	-	-	608	4.6

* INFANT AND FETAL MORTALITY RATES ARE SHOWN PER 1,000 LIVE BIRTHS.

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DATA WERE COLLECTED BY THE MONTANA OFFICE OF VITAL STATISTICS (OVS) THROUGH OCTOBER 1998 AND BY THE THE JUDICIAL CASE MANAGEMENT SYSTEM (JCMS) THEREAFTER. DATA COLLECTED BY JCMS ARE NOT COMPARABLE TO THOSE COLLECTED BY OVS AND SHOULD BE USED WITH CAUTION.

TABLE S-8

FREQUENCY AND PERCENT DISTRIBUTION OF LIVE BIRTHS, FETAL DEATHS, AND INDUCED ABORTIONS*
BY MOTHERS' OR PATIENTS' AGES AND COUNTY OF RESIDENCE
MONTANA, 2003

COUNTY OF RESIDENCE	AGE GROUP										
	TOTAL	UNDER 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 OR MORE	N.S +
TOTAL											
LIVE BIRTHS											
NUMBER	11,384	9	330	872	3,124	3,259	2,435	1,098	239	16	2
PERCENT	100 0	0.1	2 9	7.7	27.4	28 6	21.4	9 6	2.1	0.1	-
FETAL DEATHS											
NUMBER	55	-	2	5	17	13	9	7	2	-	-
PERCENT	100 0	-	3 6	9.1	30.9	23.6	16 4	12.7	3.6	-	-
INDUCED ABORTIONS											
NUMBER	1,979	8	162	262	677	412	227	152	65	10	4
PERCENT	100.0	0 4	8 2	13 2	34 2	20 8	11 5	7.7	3.3	0 5	0 2
BEAVERHEAD											
LIVE BIRTHS											
NUMBER	82	-	-	8	24	25	11	10	4	-	-
PERCENT	100.0	-	-	9 8	29 3	30 5	13 4	12 2	4.9	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	19	-	-	5	4	7	2	-	1	-	-
PERCENT	100 0	-	-	26.3	21.1	36.8	10.5	-	5.3	-	-
BIG HORN											
LIVE BIRTHS											
NUMBER	264	1	17	32	80	66	41	23	4	-	-
PERCENT	100.0	0.4	6 4	12.1	30.3	25.0	15 5	8.7	1.5	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	29	-	4	3	9	6	6	1	-	-	-
PERCENT	100.0	-	13 8	10 3	31 0	20 7	20.7	3 4	-	-	-
BLAINE											
LIVE BIRTHS											
NUMBER	123	-	10	8	41	28	28	6	2	-	-
PERCENT	100 0	-	8.1	6.5	33.3	22.8	22.8	4.9	1.6	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	11	-	-	2	5	2	1	1	-	-	-
PERCENT	100.0	-	-	18 2	45.5	18 2	9 1	9 1	-	-	-
BROADWATER											
LIVE BIRTHS											
NUMBER	36	-	1	2	8	14	9	2	-	-	-
PERCENT	100 0	-	2.8	5.6	22 2	38 9	25.0	5.6	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	9	-	1	1	3	3	-	-	1	-	-
PERCENT	100 0	-	11.1	11.1	33.3	33 3	-	-	11.1	-	-
CARBON											
LIVE BIRTHS											
NUMBER	76	-	3	1	16	20	19	12	5	-	-
PERCENT	100 0	-	3 9	1 3	21 1	26 3	25 0	15 8	6 6	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	21	-	3	4	3	2	6	2	1	-	-
PERCENT	100 0	-	14.3	19 0	14 3	9 5	28.6	9 5	4 8	-	-
CARTER											
LIVE BIRTHS											
NUMBER	7	-	1	-	1	1	1	2	1	-	-
PERCENT	100.0	-	14 3	-	14 3	14.3	14 3	28.6	14 3	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-

* THESE EVENTS ARE THE PREGNANCY OUTCOMES REPORTED IN MONTANA. THUS, THIS TABLE DOES NOT INCLUDE INDUCED ABORTIONS PERFORMED OUTSIDE MONTANA ON MONTANA RESIDENTS OR EARLY FETAL DEATHS (WHEN THE FETUS WEIGHED LESS THAN 350 GRAMS OR THE GESTATION WAS LESS THAN 20 WEEKS).

\+ NOT STATED.

\- FREQUENCY IS ZERO.

TABLE S-8 (CONTINUED)

FREQUENCY AND PERCENT DISTRIBUTION OF LIVE BIRTHS, FETAL DEATHS, AND INDUCED ABORTIONS*
BY MOTHERS' OR PATIENTS' AGES AND COUNTY OF RESIDENCE
MONTANA, 2003

COUNTY OF RESIDENCE	AGE GROUP										
	TOTAL	UNDER 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 OR MORE	N S +
CASCADE											
LIVE BIRTHS											
NUMBER	1,128	-	23	123	375	300	212	80	12	3	-
PERCENT	100.0	-	2.0	10.9	33 2	26 6	18 8	7.1	1.1	0.3	-
FETAL DEATHS											
NUMBER	5	-	2	-	2	1	-	-	-	-	-
PERCENT	100.0	-	40 0	-	40.0	20.0	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	168	1	13	29	48	37	22	13	2	2	1
PERCENT	100 0	0.6	7.7	17 3	28 6	22 0	13 1	7.7	1 2	1 2	0 6
CHOUTEAU											
LIVE BIRTHS											
NUMBER	44	-	-	2	8	18	11	3	2	-	-
PERCENT	100.0	-	-	4.5	18 2	40 9	25 0	6.8	4 5	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	2	-	1	-	-	-	1	-	-	-	-
PERCENT	100 0	-	50 0	-	-	-	50 0	-	-	-	-
CUSTER											
LIVE BIRTHS											
NUMBER	132	-	3	14	40	34	31	8	2	-	-
PERCENT	100 0	-	2 3	10 6	30.3	25.8	23 5	6.1	1 5	-	-
FETAL DEATHS											
NUMBER	1	-	-	-	-	1	-	-	-	-	-
PERCENT	100 0	-	-	-	-	100.0	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	16	-	1	3	5	5	-	2	-	-	-
PERCENT	100 0	-	6.3	18 8	31.3	31.3	-	12 5	-	-	-
DANIELS											
LIVE BIRTHS											
NUMBER	18	-	-	2	3	4	6	1	2	-	-
PERCENT	100 0	-	-	11.1	16.7	22.2	33.3	5.6	11.1	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
DAWSON											
LIVE BIRTHS											
NUMBER	86	-	1	6	19	30	14	12	4	-	-
PERCENT	100 0	-	1 2	7.0	22.1	34.9	16 3	14 0	4.7	-	-
FETAL DEATHS											
NUMBER	1	-	-	-	-	-	1	-	-	-	-
PERCENT	100.0	-	-	-	-	-	100 0	-	-	-	-
INDUCED ABORTIONS											
NUMBER	12	1	1	3	5	2	-	-	-	-	-
PERCENT	100 0	8 3	8 3	25 0	41.7	16 7	-	-	-	-	-
DEER LODGE											
LIVE BIRTHS											
NUMBER	70	-	3	5	17	21	18	6	-	-	-
PERCENT	100.0	-	4 3	7.1	24 3	30.0	25.7	8 6	-	-	-
FETAL DEATHS											
NUMBER	1	-	-	-	1	-	-	-	-	-	-
PERCENT	100.0	-	-	-	100.0	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	15	-	1	-	6	6	-	2	-	-	-
PERCENT	100 0	-	6.7	-	40.0	40.0	-	13.3	-	-	-
FALLON											
LIVE BIRTHS											
NUMBER	26	-	1	2	6	8	6	2	1	-	-
PERCENT	100.0	-	3 8	7.7	23.1	30.8	23.1	7.7	3.8	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	3	-	-	2	1	-	-	-	-	-	-
PERCENT	100.0	-	-	66 7	33 3	-	-	-	-	-	-

* THESE EVENTS ARE THE PREGNANCY OUTCOMES REPORTED IN MONTANA. THUS, THIS TABLE DOES NOT INCLUDE INDUCED ABORTIONS PERFORMED OUTSIDE MONTANA ON MONTANA RESIDENTS OR EARLY FETAL DEATHS (WHEN THE FETUS WEIGHED LESS THAN 350 GRAMS OR THE GESTATION WAS LESS THAN 20 WEEKS).

\+ NOT STATED.

\- FREQUENCY IS ZERO.

TABLE S-8 (CONTINUED)

FREQUENCY AND PERCENT DISTRIBUTION OF LIVE BIRTHS, FETAL DEATHS, AND INDUCED ABORTIONS*
BY MOTHERS' OR PATIENTS' AGES AND COUNTY OF RESIDENCE
MONTANA, 2003

COUNTY OF RESIDENCE	AGE GROUP										
	TOTAL	UNDER 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 OR MORE	N.S.+
FERGUS											
LIVE BIRTHS											
NUMBER	120	-	3	3	33	33	30	14	4	-	-
PERCENT	100.0	-	2.5	2.5	27.5	27.5	25.0	11.7	3.3	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	11	-	1	-	6	-	2	2	-	-	-
PERCENT	100.0	-	9.1	-	54.5	-	18.2	18.2	-	-	-
FLATHEAD											
LIVE BIRTHS											
NUMBER	977	-	17	74	285	298	183	96	23	1	-
PERCENT	100.0	-	1.7	7.6	29.2	30.5	18.7	9.8	2.4	0.1	-
FETAL DEATHS											
NUMBER	7	-	-	-	1	1	1	2	2	-	-
PERCENT	100.0	-	-	-	14.3	14.3	14.3	28.6	28.6	-	-
INDUCED ABORTIONS											
NUMBER	216	-	17	26	76	45	23	21	5	3	-
PERCENT	100.0	-	7.9	12.0	35.2	20.8	10.6	9.7	2.3	1.4	-
GALLATIN											
LIVE BIRTHS											
NUMBER	1,014	-	6	32	204	331	286	128	23	3	1
PERCENT	100.0	-	0.6	3.2	20.1	32.6	28.2	12.6	2.3	0.3	0.1
FETAL DEATHS											
NUMBER	4	-	-	2	1	1	-	-	-	-	-
PERCENT	100.0	-	-	50.0	25.0	25.0	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	187	1	6	19	76	40	23	12	8	1	1
PERCENT	100.0	0.5	3.2	10.2	40.6	21.4	12.3	6.4	4.3	0.5	0.5
GARFIELD											
LIVE BIRTHS											
NUMBER	13	-	-	-	6	3	3	1	-	-	-
PERCENT	100.0	-	-	-	46.2	23.1	23.1	7.7	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	1	-	-	-	1	-	-	-	-	-	-
PERCENT	100.0	-	-	-	100.0	-	-	-	-	-	-
GLACIER											
LIVE BIRTHS											
NUMBER	277	4	21	35	95	62	39	20	1	-	-
PERCENT	100.0	1.4	7.6	12.6	34.3	22.4	14.1	7.2	0.4	-	-
FETAL DEATHS											
NUMBER	1	-	-	1	-	-	-	-	-	-	-
PERCENT	100.0	-	-	100.0	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	28	-	9	3	7	8	-	-	1	-	-
PERCENT	100.0	-	32.1	10.7	25.0	28.6	-	-	3.6	-	-
GOLDEN VALLEY											
LIVE BIRTHS											
NUMBER	9	-	-	1	2	3	2	1	-	-	-
PERCENT	100.0	-	-	11.1	22.2	33.3	22.2	11.1	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
GRANITE											
LIVE BIRTHS											
NUMBER	26	-	2	-	6	11	6	1	-	-	-
PERCENT	100.0	-	7.7	-	23.1	42.3	23.1	3.8	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	2	-	-	1	-	1	-	-	-	-	-
PERCENT	100.0	-	-	50.0	-	50.0	-	-	-	-	-

* THESE EVENTS ARE THE PREGNANCY OUTCOMES REPORTED IN MONTANA. THUS, THIS TABLE DOES NOT INCLUDE INDUCED ABORTIONS PERFORMED OUTSIDE MONTANA ON MONTANA RESIDENTS OR EARLY FETAL DEATHS (WHEN THE FETUS WEIGHED LESS THAN 350 GRAMS OR THE GESTATION WAS LESS THAN 20 WEEKS).

\+ NOT STATED.

\- FREQUENCY IS ZERO.

TABLE S-8 (CONTINUED)

FREQUENCY AND PERCENT DISTRIBUTION OF LIVE BIRTHS, FETAL DEATHS, AND INDUCED ABORTIONS*
BY MOTHERS' OR PATIENTS' AGES AND COUNTY OF RESIDENCE
MONTANA, 2003

COUNTY OF RESIDENCE	AGE GROUP										
	TOTAL	UNDER 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 OR MORE	N S.+
HILL											
LIVE BIRTHS											
NUMBER	231	1	13	20	93	56	35	9	2	1	1
PERCENT	100.0	0.4	5.6	8.7	40.3	24.2	15.2	3.9	0.9	0.4	0.4
FETAL DEATHS											
NUMBER	1	-	-	-	1	-	-	-	-	-	-
PERCENT	100.0	-	-	-	100.0	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	23	-	1	3	6	8	1	1	2	1	-
PERCENT	100.0	-	4.3	13.0	26.1	34.8	4.3	4.3	8.7	4.3	-
JEFFERSON											
LIVE BIRTHS											
NUMBER	92	-	3	5	10	29	19	19	6	1	-
PERCENT	100.0	-	3.3	5.4	10.9	31.5	20.7	20.7	6.5	1.1	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	10	-	2	1	-	1	2	3	1	-	-
PERCENT	100.0	-	20.0	10.0	-	10.0	20.0	30.0	10.0	-	-
JUDITH BASIN											
LIVE BIRTHS											
NUMBER	18	-	1	-	3	8	3	2	1	-	-
PERCENT	100.0	-	5.6	-	16.7	44.4	16.7	11.1	5.6	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	1	-	-	-	-	-	-	-	1	-	-
PERCENT	100.0	-	-	-	-	-	-	-	100.0	-	-
LAKE											
LIVE BIRTHS											
NUMBER	390	1	24	44	112	111	62	29	7	-	-
PERCENT	100.0	0.3	6.2	11.3	28.7	28.5	15.9	7.4	1.8	-	-
FETAL DEATHS											
NUMBER	2	-	-	-	1	-	-	1	-	-	-
PERCENT	100.0	-	-	-	50.0	-	-	50.0	-	-	-
INDUCED ABORTIONS											
NUMBER	48	-	5	12	20	4	3	2	2	-	-
PERCENT	100.0	-	10.4	25.0	41.7	8.3	6.3	4.2	4.2	-	-
LEWIS & CLARK											
LIVE BIRTHS											
NUMBER	653	-	21	37	150	199	154	84	6	2	-
PERCENT	100.0	-	3.2	5.7	23.0	30.5	23.6	12.9	0.9	0.3	-
FETAL DEATHS											
NUMBER	4	-	-	-	2	1	1	-	-	-	-
PERCENT	100.0	-	-	-	50.0	25.0	25.0	-	-	-	-
INDUCED ABORTIONS											
NUMBER	123	1	11	16	44	24	13	10	4	-	-
PERCENT	100.0	0.8	8.9	13.0	35.8	19.5	10.6	8.1	3.3	-	-
LIBERTY											
LIVE BIRTHS											
NUMBER	18	-	-	1	5	5	4	3	-	-	-
PERCENT	100.0	-	-	5.6	27.8	27.8	22.2	16.7	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
LINCOLN											
LIVE BIRTHS											
NUMBER	183	-	7	22	58	45	32	9	10	-	-
PERCENT	100.0	-	3.8	12.0	31.7	24.6	17.5	4.9	5.5	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	16	-	2	2	3	2	4	2	1	-	-
PERCENT	100.0	-	12.5	12.5	18.8	12.5	25.0	12.5	6.3	-	-

* THESE EVENTS ARE THE PREGNANCY OUTCOMES REPORTED IN MONTANA. THUS, THIS TABLE DOES NOT INCLUDE INDUCED ABORTIONS PERFORMED OUTSIDE MONTANA ON MONTANA RESIDENTS OR EARLY FETAL DEATHS (WHEN THE FETUS WEIGHED LESS THAN 350 GRAMS OR THE GESTATION WAS LESS THAN 20 WEEKS).

\+ NOT STATED.

\- FREQUENCY IS ZERO.

TABLE S-8 (CONTINUED)

FREQUENCY AND PERCENT DISTRIBUTION OF LIVE BIRTHS, FETAL DEATHS, AND INDUCED ABORTIONS*
BY MOTHERS' OR PATIENTS' AGES AND COUNTY OF RESIDENCE
MONTANA, 2003

COUNTY OF RESIDENCE	AGE GROUP										
	TOTAL	UNDER 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 OR MORE	N.S.+
MCCONE											
LIVE BIRTHS											
NUMBER	11	-	-	1	1	2	2	4	1	-	-
PERCENT	100.0	-	-	9.1	9.1	18.2	18.2	36.4	9.1	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	1	-	-	-	1	-	-	-	-	-	-
PERCENT	100.0	-	-	-	100.0	-	-	-	-	-	-
MADISON											
LIVE BIRTHS											
NUMBER	56	-	-	2	12	17	12	8	4	1	-
PERCENT	100.0	-	-	3.6	21.4	30.4	21.4	14.3	7.1	1.8	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	11	-	-	1	2	3	3	1	1	-	-
PERCENT	100.0	-	-	9.1	18.2	27.3	27.3	9.1	9.1	-	-
MEAGHER											
LIVE BIRTHS											
NUMBER	26	-	2	1	7	11	3	1	1	-	-
PERCENT	100.0	-	7.7	3.8	26.9	42.3	11.5	3.8	3.8	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	4	-	-	-	1	-	3	-	-	-	-
PERCENT	100.0	-	-	-	25.0	-	75.0	-	-	-	-
MINERAL											
LIVE BIRTHS											
NUMBER	46	-	4	2	13	12	14	1	-	-	-
PERCENT	100.0	-	8.7	4.3	28.3	26.1	30.4	2.2	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	10	-	1	2	1	1	1	2	2	-	-
PERCENT	100.0	-	10.0	20.0	10.0	10.0	10.0	20.0	20.0	-	-
MISSOULA											
LIVE BIRTHS											
NUMBER	1,147	-	19	74	269	334	280	145	26	-	-
PERCENT	100.0	-	1.7	6.5	23.5	29.1	24.4	12.6	2.3	-	-
FETAL DEATHS											
NUMBER	5	-	-	-	1	3	1	-	-	-	-
PERCENT	100.0	-	-	-	20.0	60.0	20.0	-	-	-	-
INDUCED ABORTIONS											
NUMBER	375	1	24	47	156	79	30	24	12	1	1
PERCENT	100.0	0.3	6.4	12.5	41.6	21.1	8.0	6.4	3.2	0.3	0.3
MUSSELSHELL											
LIVE BIRTHS											
NUMBER	59	-	3	6	14	15	12	3	6	-	-
PERCENT	100.0	-	5.1	10.2	23.7	25.4	20.3	5.1	10.2	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	9	-	1	3	2	2	1	-	-	-	-
PERCENT	100.0	-	11.1	33.3	22.2	22.2	11.1	-	-	-	-
PARK											
LIVE BIRTHS											
NUMBER	154	-	2	10	31	34	54	18	4	1	-
PERCENT	100.0	-	1.3	6.5	20.1	22.1	35.1	11.7	2.6	0.6	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	29	-	2	4	7	7	4	3	2	-	-
PERCENT	100.0	-	6.9	13.8	24.1	24.1	13.8	10.3	6.9	-	-

* THESE EVENTS ARE THE PREGNANCY OUTCOMES REPORTED IN MONTANA. THUS, THIS TABLE DOES NOT INCLUDE INDUCED ABORTIONS PERFORMED OUTSIDE MONTANA ON MONTANA RESIDENTS OR EARLY FETAL DEATHS (WHEN THE FETUS WEIGHED LESS THAN 350 GRAMS OR THE GESTATION WAS LESS THAN 20 WEEKS).

\+ NOT STATED.

\- FREQUENCY IS ZERO.

TABLE S-8 (CONTINUED)

FREQUENCY AND PERCENT DISTRIBUTION OF LIVE BIRTHS, FETAL DEATHS, AND INDUCED ABORTIONS*
BY MOTHERS' OR PATIENTS' AGES AND COUNTY OF RESIDENCE
MONTANA, 2003

COUNTY OF RESIDENCE	AGE GROUP										
	TOTAL	UNDER 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 OR MORE	N.S.+
PETROLEUM											
LIVE BIRTHS											
NUMBER	7	-	-	-	1	3	2	-	1	-	-
PERCENT	100.0	-	-	-	14.3	42.9	28.6	-	14.3	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
PHILLIPS											
LIVE BIRTHS											
NUMBER	47	-	2	1	14	14	8	6	2	-	-
PERCENT	100.0	-	4.3	2.1	29.8	29.8	17.0	12.8	4.3	-	-
FETAL DEATHS											
NUMBER	1	-	-	-	1	-	-	-	-	-	-
PERCENT	100.0	-	-	-	100.0	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	1	-	-	1	-	-	-	-	-	-	-
PERCENT	100.0	-	-	100.0	-	-	-	-	-	-	-
PONDERA											
LIVE BIRTHS											
NUMBER	75	-	1	12	23	24	12	3	-	-	-
PERCENT	100.0	-	1.3	16.0	30.7	32.0	16.0	4.0	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	3	-	-	1	1	1	-	-	-	-	-
PERCENT	100.0	-	-	33.3	33.3	33.3	-	-	-	-	-
POWDER RIVER											
LIVE BIRTHS											
NUMBER	11	-	-	-	4	5	2	-	-	-	-
PERCENT	100.0	-	-	-	36.4	45.5	18.2	-	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	2	-	1	-	-	-	-	1	-	-	-
PERCENT	100.0	-	50.0	-	-	-	-	50.0	-	-	-
POWELL											
LIVE BIRTHS											
NUMBER	60	-	5	2	19	22	4	8	-	-	-
PERCENT	100.0	-	8.3	3.3	31.7	36.7	6.7	13.3	-	-	-
FETAL DEATHS											
NUMBER	2	-	-	-	-	-	2	-	-	-	-
PERCENT	100.0	-	-	-	-	-	100.0	-	-	-	-
INDUCED ABORTIONS											
NUMBER	6	-	1	-	2	1	1	-	1	-	-
PERCENT	100.0	-	16.7	-	33.3	16.7	16.7	-	16.7	-	-
PRAIRIE											
LIVE BIRTHS											
NUMBER	12	-	-	2	1	3	6	-	-	-	-
PERCENT	100.0	-	-	16.7	8.3	25.0	50.0	-	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	1	-	-	-	-	1	-	-	-	-	-
PERCENT	100.0	-	-	-	-	100.0	-	-	-	-	-
RAVALLI											
LIVE BIRTHS											
NUMBER	458	-	12	38	121	125	98	47	17	-	-
PERCENT	100.0	-	2.6	8.3	26.4	27.3	21.4	10.3	3.7	-	-
FETAL DEATHS											
NUMBER	3	-	-	-	-	1	2	-	-	-	-
PERCENT	100.0	-	-	-	-	33.3	66.7	-	-	-	-
INDUCED ABORTIONS											
NUMBER	59	2	6	6	19	7	11	7	1	-	-
PERCENT	100.0	3.4	10.2	10.2	32.2	11.9	18.6	11.9	1.7	-	-

* THESE EVENTS ARE THE PREGNANCY OUTCOMES REPORTED IN MONTANA. THUS, THIS TABLE DOES NOT INCLUDE INDUCED ABORTIONS PERFORMED OUTSIDE MONTANA ON MONTANA RESIDENTS OR EARLY FETAL DEATHS (WHEN THE FETUS WEIGHED LESS THAN 350 GRAMS OR THE GESTATION WAS LESS THAN 20 WEEKS).

\+ NOT STATED.

\- FREQUENCY IS ZERO.

TABLE S-8 (CONTINUED)

FREQUENCY AND PERCENT DISTRIBUTION OF LIVE BIRTHS, FETAL DEATHS, AND INDUCED ABORTIONS*
BY MOTHERS' OR PATIENTS' AGES AND COUNTY OF RESIDENCE
MONTANA, 2003

COUNTY OF RESIDENCE	AGE GROUP										
	TOTAL	UNDER 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 OR MORE	N.S.+
RICHLAND											
LIVE BIRTHS											
NUMBER	80	1	4	4	28	24	12	6	1	-	-
PERCENT	100.0	1.3	5.0	5.0	35.0	30.0	15.0	7.5	1.3	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	5	-	1	1	1	1	-	1	-	-	-
PERCENT	100.0	-	20.0	20.0	20.0	20.0	-	20.0	-	-	-
ROOSEVELT											
LIVE BIRTHS											
NUMBER	180	-	12	21	67	42	24	12	2	-	-
PERCENT	100.0	-	6.7	11.7	37.2	23.3	13.3	6.7	1.1	-	-
FETAL DEATHS											
NUMBER	1	-	-	1	-	-	-	-	-	-	-
PERCENT	100.0	-	-	100.0	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	16	-	4	1	8	-	1	2	-	-	-
PERCENT	100.0	-	25.0	6.3	50.0	-	6.3	12.5	-	-	-
ROSEBUD											
LIVE BIRTHS											
NUMBER	165	-	6	23	58	32	31	14	1	-	-
PERCENT	100.0	-	3.6	13.9	35.2	19.4	18.8	8.5	0.6	-	-
FETAL DEATHS											
NUMBER	2	-	-	-	1	1	-	-	-	-	-
PERCENT	100.0	-	-	-	50.0	50.0	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	16	-	-	-	6	2	4	4	-	-	-
PERCENT	100.0	-	-	-	37.5	12.5	25.0	25.0	-	-	-
SANDERS											
LIVE BIRTHS											
NUMBER	104	-	5	10	30	28	20	8	3	-	-
PERCENT	100.0	-	4.8	9.6	28.8	26.9	19.2	7.7	2.9	-	-
FETAL DEATHS											
NUMBER	1	-	-	1	-	-	-	-	-	-	-
PERCENT	100.0	-	-	100.0	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	14	-	2	2	3	3	2	-	2	-	-
PERCENT	100.0	-	14.3	14.3	21.4	21.4	14.3	-	14.3	-	-
SHERIDAN											
LIVE BIRTHS											
NUMBER	22	-	-	4	4	4	5	4	1	-	-
PERCENT	100.0	-	-	18.2	18.2	18.2	22.7	18.2	4.5	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
SILVER BOW											
LIVE BIRTHS											
NUMBER	398	1	12	25	119	108	94	29	9	1	-
PERCENT	100.0	0.3	3.0	6.3	29.9	27.1	23.6	7.3	2.3	0.3	-
FETAL DEATHS											
NUMBER	3	-	-	-	2	-	1	-	-	-	-
PERCENT	100.0	-	-	-	66.7	-	33.3	-	-	-	-
INDUCED ABORTIONS											
NUMBER	64	-	4	7	15	15	10	11	1	-	1
PERCENT	100.0	-	6.3	10.9	23.4	23.4	15.6	17.2	1.6	-	1.6
STILLWATER											
LIVE BIRTHS											
NUMBER	99	-	1	6	27	23	25	14	3	-	-
PERCENT	100.0	-	1.0	6.1	27.3	23.2	25.3	14.1	3.0	-	-
FETAL DEATHS											
NUMBER	1	-	-	-	-	-	-	1	-	-	-
PERCENT	100.0	-	-	-	-	-	-	100.0	-	-	-
INDUCED ABORTIONS											
NUMBER	11	-	1	1	6	-	-	2	1	-	-
PERCENT	100.0	-	9.1	9.1	54.5	-	-	18.2	9.1	-	-

* THESE EVENTS ARE THE PREGNANCY OUTCOMES REPORTED IN MONTANA. THUS, THIS TABLE DOES NOT INCLUDE INDUCED ABORTIONS PERFORMED OUTSIDE MONTANA ON MONTANA RESIDENTS OR EARLY FETAL DEATHS (WHEN THE FETUS WEIGHED LESS THAN 350 GRAMS OR THE GESTATION WAS LESS THAN 20 WEEKS).

\+ NOT STATED.

\- FREQUENCY IS ZERO.

TABLE S-8 (CONTINUED)

FREQUENCY AND PERCENT DISTRIBUTION OF LIVE BIRTHS, FETAL DEATHS, AND INDUCED ABORTIONS*
BY MOTHERS' OR PATIENTS' AGES AND COUNTY OF RESIDENCE
MONTANA, 2003

COUNTY OF RESIDENCE	AGE GROUP										
	TOTAL	UNDER 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 OR MORE	N S.+
SWEET GRASS											
LIVE BIRTHS											
NUMBER	33	-	-	2	8	9	11	3	-	-	-
PERCENT	100.0	-	-	6.1	24 2	27.3	33.3	9 1	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	2	-	-	-	2	-	-	-	-	-	-
PERCENT	100 0	-	-	-	100 0	-	-	-	-	-	-
TETON											
LIVE BIRTHS											
NUMBER	73	-	1	2	21	18	24	6	1	-	-
PERCENT	100 0	-	1.4	2.7	28 8	24 7	32 9	8 2	1 4	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	5	-	1	1	-	-	2	1	-	-	-
PERCENT	100.0	-	20.0	20.0	-	-	40.0	20.0	-	-	-
TOOLE											
LIVE BIRTHS											
NUMBER	45	-	2	3	16	12	9	2	1	-	-
PERCENT	100.0	-	4 4	6.7	35 6	26.7	20.0	4 4	2.2	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	2	-	-	1	-	-	-	1	-	-	-
PERCENT	100 0	-	-	50 0	-	-	-	50 0	-	-	-
TREASURE											
LIVE BIRTHS											
NUMBER	4	-	-	1	1	1	-	1	-	-	-
PERCENT	100.0	-	-	25.0	25 0	25.0	-	25.0	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	2	-	2	-	-	-	-	-	-	-	-
PERCENT	100.0	-	100.0	-	-	-	-	-	-	-	-
VALLEY											
LIVE BIRTHS											
NUMBER	80	-	6	6	26	24	11	5	2	-	-
PERCENT	100.0	-	7.5	7.5	32.5	30.0	13.8	6.3	2.5	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	7	-	2	2	2	1	-	-	-	-	-
PERCENT	100.0	-	28.6	28 6	28 6	14 3	-	-	-	-	-
WHEATLAND											
LIVE BIRTHS											
NUMBER	20	-	1	1	4	7	5	2	-	-	-
PERCENT	100.0	-	5.0	5.0	20 0	35 0	25.0	10 0	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	100.0	-	100.0	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	2	-	-	-	-	-	1	1	-	-	-
PERCENT	100 0	-	-	-	-	-	50 0	50 0	-	-	-
WIBAUX											
LIVE BIRTHS											
NUMBER	6	-	-	1	-	2	2	-	1	-	-
PERCENT	100 0	-	-	16.7	-	33 3	33.3	-	16.7	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-

* THESE EVENTS ARE THE PREGNANCY OUTCOMES REPORTED IN MONTANA. THUS, THIS TABLE DOES NOT INCLUDE INDUCED ABORTIONS PERFORMED OUTSIDE MONTANA ON MONTANA RESIDENTS OR EARLY FETAL DEATHS (WHEN THE FETUS WEIGHED LESS THAN 350 GRAMS OR THE GESTATION WAS LESS THAN 20 WEEKS).

\+ NOT STATED.

\- FREQUENCY IS ZERO.

TABLE S-8 (CONCLUDED)

FREQUENCY AND PERCENT DISTRIBUTION OF LIVE BIRTHS, FETAL DEATHS, AND INDUCED ABORTIONS*
BY MOTHERS' OR PATIENTS' AGES AND COUNTY OF RESIDENCE
MONTANA, 2003

COUNTY OF RESIDENCE	AGE GROUP										
	TOTAL	UNDER 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 OR MORE	N S +
YELLOWSTONE											
LIVE BIRTHS											
NUMBER	1,790	-	49	133	484	540	387	165	30	2	-
PERCENT	100.0	-	2.7	7.4	27.0	30.2	21.6	9.2	1.7	0.1	-
FETAL DEATHS											
NUMBER	9	-	-	-	3	3	-	3	-	-	-
PERCENT	100.0	-	-	-	33.3	33.3	-	33.3	-	-	-
INDUCED ABORTIONS											
NUMBER	331	1	25	44	110	81	44	15	10	1	-
PERCENT	100.0	0.3	7.6	13.3	33.2	24.5	13.3	4.5	3.0	0.3	-
YELLOWSTONE PARK											
LIVE BIRTHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
COUNTY NOT STATED											
LIVE BIRTHS											
NUMBER	3	-	-	-	1	1	1	-	-	-	-
PERCENT	100.0	-	-	-	33.3	33.3	33.3	-	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	20	-	5	2	4	4	-	2	2	1	-
PERCENT	100.0	-	25.0	10.0	20.0	20.0	-	10.0	10.0	5.0	-

* THESE EVENTS ARE THE PREGNANCY OUTCOMES REPORTED IN MONTANA. THUS, THIS TABLE DOES NOT INCLUDE INDUCED ABORTIONS PERFORMED OUTSIDE MONTANA ON MONTANA RESIDENTS OR EARLY FETAL DEATHS (WHEN THE FETUS WEIGHED LESS THAN 350 GRAMS OR THE GESTATION WAS LESS THAN 20 WEEKS).

\+ NOT STATED.

\- FREQUENCY IS ZERO.

TABLE P-1

STATE POPULATION BY COUNTY
MONTANA, 2003, 2002, 2001, 2000 AND 1990

COUNTY	2003 U S. CENSUS EST. POPULATION	2002 U.S. CENSUS EST. POPULATION	2001 U S. CENSUS EST. POPULATION	2000 U.S. CENSUS ENUMERATION	1990 U.S. CENSUS ENUMERATION
MONTANA, TOTAL	917,621	909,453	905,382	902,195	799,065
					799,065
BEAVERHEAD	8,919	9,009	9,095	9,202	8,424
BIG HORN	12,894	12,886	12,856	12,671	11,337
BLAINE	6,729	6,895	6,849	7,009	6,728
BROADWATER	4,430	4,366	4,394	4,385	3,318
CARBON	9,770	9,675	9,644	9,552	8,080
CARTER	1,333	1,343	1,354	1,360	1,503
CASCADE	79,561	79,389	79,644	80,357	77,691
CHOUTEAU	5,576	5,566	5,751	5,970	5,452
CUSTER	11,369	11,341	11,417	11,696	11,697
DANIELS	1,940	1,967	2,023	2,017	2,266
DAWSON	8,776	8,713	8,906	9,059	9,505
DEER LODGE	8,953	9,069	9,212	9,417	10,278
FALLON	2,752	2,715	2,743	2,837	3,103
FERGUS	11,695	11,678	11,761	11,893	12,083
FLATHEAD	79,485	77,240	75,983	74,471	59,218
GALLATIN	73,243	71,206	69,847	67,831	50,463
GARFIELD	1,233	1,230	1,250	1,279	1,589
GLACIER	13,250	13,106	13,085	13,247	12,121
GOLDEN VALLEY	1,047	1,063	1,013	1,042	912
GRANITE	2,894	2,863	2,871	2,830	2,548
HILL	16,350	16,372	16,552	16,673	17,654
JEFFERSON	10,499	10,424	10,223	10,049	7,939
JUDITH BASIN	2,192	2,273	2,285	2,329	2,282
LAKE	27,197	26,908	26,853	26,507	21,041
LEWIS & CLARK	57,137	56,554	56,281	55,716	47,495
LIBERTY	2,055	2,037	2,110	2,158	2,295
LINCOLN	18,835	18,665	18,691	18,837	17,481
MCCONE	1,818	1,827	1,889	1,977	2,276
MADISON	6,967	7,005	6,924	6,851	5,989
MEAGHER	1,967	1,941	1,951	1,932	1,819
MINERAL	3,884	3,803	3,838	3,884	3,315
MISSOULA	98,616	98,102	96,760	95,802	78,687
MUSSELSHELL	4,464	4,410	4,428	4,497	4,106
PARK	15,840	15,767	15,693	15,694	14,562
PETROLEUM	491	500	489	493	519
PHILLIPS	4,271	4,321	4,422	4,601	5,163
PONDERA	6,166	6,232	6,346	6,424	6,433
POWDER RIVER	1,834	1,829	1,818	1,858	2,090
POWELL	7,006	7,045	7,073	7,180	6,620
PRAIRIE	1,154	1,190	1,208	1,199	1,383
RAVALLI	38,662	37,868	36,982	36,070	25,010
RICHLAND	9,155	9,265	9,448	9,667	10,716
ROOSEVELT	10,451	10,494	10,617	10,620	10,999
ROSEBUD	9,303	9,273	9,275	9,383	10,505
SANDERS	10,455	10,367	10,399	10,227	8,669
SHERIDAN	3,668	3,798	3,935	4,105	4,732
SILVER BOW	33,208	33,403	33,759	34,606	33,941
STILLWATER	8,459	8,420	8,374	8,195	6,536
SWEET GRASS	3,604	3,623	3,610	3,609	3,154
TETON	6,369	6,315	6,396	6,445	6,271
TOOLE	5,337	5,103	5,186	5,267	5,046
TREASURE	735	785	816	861	874
VALLEY	7,349	7,382	7,516	7,675	8,239
WHEATLAND	2,106	2,164	2,162	2,259	2,246
WIBAUX	977	1,046	1,039	1,068	1,191
YELLOWSTONE	133,191	131,622	130,336	129,352	113,419
YELLOWSTONE PARK *	NA	NA	NA	NA	52

SOURCE: POPULATION ESTIMATES AND ENUMERATIONS WERE MADE BY THE U.S. CENSUS BUREAU AND PROVIDED BY THE MONTANA CENSUS AND ECONOMIC INFORMATION CENTER.

* THE CENSUS BUREAU NO LONGER PROVIDES AN ESTIMATE OF THE POPULATION OF YELLOWSTONE NATIONAL PARK. THOSE LIVING WITHIN THE BOUNDARIES OF THE PARK ARE NOW REPORTED AS RESIDENTS OF EITHER GALLATIN OR PARK COUNTY, EFFECTIVE AS OF 1997.

TABLE B-1

FREQUENCY AND PERCENT DISTRIBUTION OF LIVE BIRTHS BY INFANT'S SEX, LEGITIMACY, PLURALITY, AND PARITY
MONTANA RESIDENTS, 1999 - 2003

ITEM	2003		2002		2001		2000		1999	
	NUMBER	PERCENT*	NUMBER	PERCENT*	NUMBER	PERCENT*	NUMBER	PERCENT*	NUMBER	PERCENT*
MONTANA TOTAL	11,384	100.0	11,045	100.0	10,947	100.0	10,946	100.0	10,779	100.0
SEX										
MALE	5,797	50.9	5,616	50.8	5,575	50.9	5,576	50.9	5,592	51.9
FEMALE	5,587	49.1	5,429	49.2	5,371	49.1	5,370	49.1	5,187	48.1
UNKNOWN	-	-	-	-	1	0.0	-	-	-	-
LEGITIMACY										
IN WEDLOCK	7,717	67.8	7,415	67.1	7,509	68.6	7,563	69.1	7,546	70
OUT OF WEDLOCK	3,656	32.1	3,624	32.8	3,429	31.3	3,374	30.8	3,224	29.9
NOT STATED	11	0.1	6	0.1	9	0.1	9	0.1	9	0.1
MULTIPLE BIRTHS										
SINGLE	11,072	97.3	10,718	97.0	10,616	97.0	10,639	97.2	10,490	97.3
TWINS	305	2.7	317	2.9	299	2.7	294	2.7	271	2.5
TRIPLETS OR MORE	7	0.1	9	0.1	30	0.3	13	0.1	15	0.1
NOT STATED	-	-	1	0.0	2	0.0	-	-	3	0.0
PARITY										
FIRST BIRTH	4,329	38.0	4,313	39.0	4,162	38.0	4,262	38.9	4,216	39.1
SECOND BIRTH	3,620	31.8	3,556	32.2	3,470	31.7	3,515	32.1	3,524	32.7
THIRD BIRTH	2,013	17.7	1,878	17.0	1,908	17.4	1,875	17.1	1,818	16.9
FOURTH BIRTH	814	7.2	763	6.9	792	7.2	766	7.0	705	6.5
FIFTH BIRTH	324	2.8	296	2.7	331	3.0	296	2.7	276	2.6
SIXTH BIRTH	139	1.2	120	1.1	128	1.2	133	1.2	117	1.1
SEVENTH BIRTH	67	0.6	55	0.5	65	0.6	45	0.4	59	0.5
EIGHTH BIRTH	29	0.3	32	0.3	43	0.4	20	0.2	27	0.3
NINTH OR MORE	42	0.4	29	0.3	44	0.4	29	0.3	32	0.3
NOT STATED	7	0.1	3	0.0	4	0.0	5	0.0	5	0.0

* EACH PERCENTAGE HAS BEEN INDEPENDENTLY ROUNDED TO THE NEAREST TENTH OF ONE PERCENT. HENCE, THE SUMS OF PARTS MAY DIFFER SLIGHTLY FROM THE TOTALS.

TABLE B-2

FREQUENCY AND PERCENT DISTRIBUTION OF LIVE BIRTHS BY TYPE OF FACILITY OR ATTENDANT
AND BY COUNTY OF OCCURRENCE
MONTANA, 2003

COUNTY	TOTAL	BOA* AND IN HOSPITAL		PHYSICIAN NOT IN HOSPITAL		OTHER NOT IN HOSPITAL	
		NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
MONTANA, TOTAL	11,418	11,139	97 6%	2	0.0%	277	2 4%
BEAVERHEAD	87	86	98.9%	-	-	1	1.1%
BIG HORN	255	254	99 6%	-	-	1	0.4%
BLAINE	2	2	100.0%	-	-	-	-
BROADWATER	1	-	-	-	-	1	100.0%
CARBON	27	26	96.3%	-	-	1	3.7%
CARTER	-	-	-	-	-	-	-
CASCADE	1,442	1,428	99 0%	-	-	14	1.0%
CHOUTEAU	-	-	-	-	-	-	0 0%
CUSTER	238	238	100.0%	-	-	-	-
DANIELS	-	-	-	-	-	-	-
DAWSON	49	49	100.0%	-	-	-	-
DEER LODGE	38	38	100.0%	-	-	-	-
FALLON	2	2	100 0%	-	-	-	-
FERGUS	107	107	100.0%	-	-	-	-
FLATHEAD	1,049	1,017	96.9%	-	-	32	3.1%
GALLATIN	1,044	1,003	96.1%	-	-	41	3.9%
GARFIELD	-	-	-	-	-	-	-
GLACIER	244	244	100.0%	-	-	-	0 0%
GOLDEN VALLEY	1	-	-	-	-	1	-
GRANITE	-	-	-	-	-	-	-
HILL	339	338	99 7%	-	-	1	0.3%
JEFFERSON	1	-	-	-	-	1	100 0%
JUDITH BASIN	-	-	-	-	-	-	-
LAKE	295	283	95.9%	-	-	12	4 1%
LEWIS & CLARK	713	702	98.5%	-	-	11	1.5%
LIBERTY	14	14	100.0%	-	-	-	-
LINCOLN	107	92	86.0%	1	0 9%	14	13.1%
MCCONE	-	-	-	-	-	-	-
MADISON	1	-	-	-	-	1	100.0%
MEAGHER	-	-	-	-	-	-	-
MINERAL	-	-	-	-	-	-	-
MISSOULA	1,673	1,626	97 2%	-	-	47	2.8%
MUSSELSHELL	-	-	-	-	-	-	-
PARK	150	118	78.7%	-	-	32	21.3%
PETROLEUM	-	-	-	-	-	-	-
PHILLIPS	2	1	50.0%	-	-	1	50.0%
PONDERA	28	26	92.9%	-	-	2	-
POWDER RIVER	-	-	-	-	-	-	-
POWELL	19	17	89 5%	-	-	2	-
PRAIRIE	-	-	-	-	-	-	-
RAVALLI	230	184	80.0%	-	-	46	20.0%
RICHLAND	100	100	100.0%	-	-	-	0.0%
ROOSEVELT	94	94	100.0%	-	-	-	-
ROSEBUD	4	4	100.0%	-	-	-	-
SANDERS	33	31	93.9%	-	-	2	6.1%
SHERIDAN	20	20	100.0%	-	-	-	-
SILVER BOW	461	461	100.0%	-	-	-	0.0%
STILLWATER	2	-	-	-	-	2	100.0%
SWEET GRASS	-	-	-	-	-	-	-
TETON	2	-	-	-	-	2	100.0%
TOOLE	51	51	100.0%	-	-	-	-
TREASURE	-	-	-	-	-	-	-
VALLEY	136	135	99.3%	-	-	1	0.7%
WHEATLAND	-	-	-	-	-	-	-
WIBAUX	-	-	-	-	-	-	-
YELLOWSTONE	2,357	2,348	99.6%	1	0.0%	8	0.3%
YELLOWSTONE PARK	-	-	-	-	-	-	-
NOT STATED	-	-	-	-	-	-	-

* BORN ON ARRIVAL

TABLE B-3

FREQUENCY AND PERCENT DISTRIBUTION OF LIVE BIRTHS BY BIRTHWEIGHT
AND BY COUNTY OF RESIDENCE
MONTANA, 2003

COUNTY	TOTAL	LESS THAN 1,000 GRAMS		1,000 - 1,499 GRAMS		1,500 - 2,499 GRAMS		2,500 - 3,999 GRAMS		4,000 GRAMS OR MORE		NOT STATED	
	NUMBER	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
MONTANA, TOTAL	11,384	63	0 6	55	0.5	649	5 7	9,654	84 8	953	8 4	10	0 1
BEAVERHEAD	82	1	1 2	-	-	5	6 1	74	90 2	1	1 2	1	1 2
BIG HORN	264	-	-	1	0 4	17	6 4	205	77.7	41	15 5	-	-
BLAINE	123	-	-	1	0 8	4	3 3	99	80.5	19	15.4	-	-
BROADWATER	36	-	-	-	-	-	-	32	88 9	4	11.1	-	-
CARBON	76	-	-	-	-	11	14 5	61	80 3	4	5 3	-	-
CARTER	7	-	-	-	-	-	-	6	85.7	1	14 3	-	-
CASCADE	1,128	6	0 5	2	0 2	73	6 5	953	84 5	94	8.3	-	-
CHOUTEAU	44	-	-	-	-	-	-	41	93 2	3	6 8	-	-
CUSTER	132	1	0 8	-	-	7	5.3	119	90 2	5	3 8	-	-
DANIELS	18	-	-	-	-	2	11 1	12	66 7	4	22 2	-	-
DAWSON	86	3	3 5	-	-	4	4 7	70	81 4	8	9 3	1	1 2
DEER LODGE	70	-	-	-	-	3	4 3	61	87 1	6	8 6	-	-
FALLON	26	-	-	-	-	3	11 5	21	80 8	2	7.7	-	-
FERGUS	120	-	-	-	-	7	5 8	107	89 2	6	5 0	-	-
FLATHEAD	977	5	0 5	4	0 4	46	4 7	830	85 0	92	9 4	-	-
GALLATIN	1,014	1	0 1	6	0 6	53	5 2	884	87 2	68	6 7	2	0 2
GARFIELD	13	-	-	-	-	-	-	13	100 0	-	-	-	-
GLACIER	277	1	0 4	5	1 8	12	4 3	222	80 1	34	12 3	3	1 1
GOLDEN VALLEY	9	-	-	-	-	1	11.1	7	77 8	1	11 1	-	-
GRANITE	26	-	-	-	-	1	3 8	23	88 5	2	7 7	-	-
HILL	231	1	0 4	-	-	18	7 8	200	86 6	11	4 8	1	0 4
JEFFERSON	92	-	-	1	1 1	3	3.3	84	91 3	4	4 3	-	-
JUDITH BASIN	18	-	-	-	-	2	11 1	14	77 8	2	11 1	-	-
LAKE	390	7	1.8	4	1 0	24	6.2	321	82 3	34	8 7	-	-
LEWIS & CLARK	653	7	1 1	3	0 5	28	4 3	567	86.8	48	7 4	-	-
LIBERTY	18	-	-	-	-	-	-	18	100 0	-	-	-	-
LINCOLN	183	-	-	-	-	3	1 6	154	84 2	26	14 2	-	-
MCCONE	11	-	-	-	-	2	18 2	6	54 5	3	27.3	-	-
MADISON	56	-	-	-	-	-	-	50	89 3	6	10.7	-	-
MEAGHER	26	-	-	-	-	1	3 8	24	92 3	1	3 8	-	-
MINERAL	46	1	2 2	-	-	3	6 5	36	78 3	6	13.0	-	-
MISSOULA	1,147	10	0 9	11	1 0	61	5.3	985	85 9	80	7 0	-	-
MUSSELSHELL	59	-	-	-	-	5	8 5	50	84.7	4	6 8	-	-
PARK	154	1	0 6	3	1 9	11	7.1	126	81 8	13	8 4	-	-
PETROLEUM	7	-	-	-	-	-	-	6	85.7	1	14 3	-	-
PHILLIPS	47	-	-	1	2 1	2	4 3	39	83 0	5	10 6	-	-
PONDERA	75	1	1 3	1	1 3	5	6 7	62	82 7	6	8.0	-	-
POWDER RIVER	11	-	-	-	-	-	-	10	90 9	1	9 1	-	-
POWELL	60	-	-	1	1.7	4	6.7	49	81.7	6	10 0	-	-
PRAIRIE	12	-	-	-	-	-	-	10	83 3	2	16.7	-	-
RAVALLI	458	2	0 4	3	0 7	27	5.9	400	87 3	25	5.5	1	0 2
RICHLAND	80	-	-	-	-	4	5 0	71	88 8	5	6 3	-	-
ROOSEVELT	180	1	0 6	-	-	18	10.0	133	73.9	28	15 6	-	-
ROSEBUD	165	-	-	-	-	10	6 1	135	81 8	20	12 1	-	-
SANDERS	104	2	1 9	-	-	11	10 6	82	78 8	8	7 7	1	1 0
SHERIDAN	22	-	-	-	-	2	9 1	18	81.8	2	9 1	-	-
SILVER BOW	398	2	0 5	-	-	27	6.8	342	85 9	27	6 8	-	-
STILLWATER	99	-	-	-	-	12	12 1	78	78 8	9	9 1	-	-
SWEET GRASS	33	1	3 0	-	-	2	6 1	24	72 7	6	18 2	-	-
TETON	73	-	-	-	-	1	1.4	67	91 8	5	6 8	-	-
TOOLE	45	-	-	-	-	2	4 4	41	91 1	2	4 4	-	-
TREASURE	4	-	-	-	-	-	-	4	100 0	-	-	-	-
VALLEY	80	-	-	2	2.5	3	3 8	61	76 3	14	17 5	-	-
WHEATLAND	20	-	-	-	-	-	-	19	95.0	1	5 0	-	-
WIBAUX	6	-	-	-	-	-	-	6	100.0	-	-	-	-
YELLOWSTONE	1,790	9	0 5	6	0 3	109	6 1	1,519	84 9	147	8 2	-	-
YELLOWSTONE PARK	-	-	-	-	-	-	-	-	-	-	-	-	-
NOT STATED	3	-	-	-	-	-	-	3	100.0	-	-	-	-

* EACH PERCENTAGE HAS BEEN INDEPENDENTLY ROUNDED TO THE NEAREST TENTH OF ONE PERCENT
HENCE, THE SUMS OF PARTS MAY DIFFER SLIGHTLY FROM THE TOTALS

TABLE B-4

FREQUENCY AND PERCENT DISTRIBUTION OF LIVE BIRTHS
BY COMPLETED WEEKS OF GESTATION* AND COUNTY OF RESIDENCE
MONTANA, 2003

COUNTY OF RESIDENCE	TOTAL NUMBER	PRE-TERM						TERM				POST-TERM		NOT STATED	
		28 OR FEWER WEEKS		28-31 WEEKS		32-36 WEEKS		37-39 WEEKS		40-41 WEEKS		42 OR MORE WEEKS			
		NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
MONTANA, TOTAL	11,384	57	0.5	102	0.9	911	8.0	8,000	52.7	4,198	38.8	95	0.6	23	0.2
BEAVERHEAD	62	1	1.2	-	-	7	6.5	51	62.2	22	28.8	1	1.2	-	-
BIG HORN	264	-	-	-	-	25	9.5	106	40.2	131	49.6	2	0.6	-	-
BLAINE	123	-	-	2	1.6	11	8.9	70	58.9	38	30.9	2	1.6	-	-
BROADWATER	36	-	-	-	-	2	5.6	19	52.8	15	41.7	-	-	-	-
CARBON	76	-	-	-	-	6	10.5	35	46.1	32	42.1	1	1.3	-	-
CARTER	7	-	-	-	-	1	14.3	3	42.9	3	42.9	-	-	-	-
CASCADE	1,128	4	0.4	6	0.7	101	9.0	625	55.4	380	33.7	6	0.5	4	0.4
CHOUTEAU	44	-	-	-	-	2	4.5	32	72.7	9	20.5	1	2.3	-	-
CUSTER	132	1	0.8	-	-	7	5.3	78	59.1	45	34.1	1	0.8	-	-
DANIELS	18	-	-	-	-	1	5.6	6	33.3	11	61.1	-	-	-	-
DAWSON	86	2	2.3	1	1.2	5	5.8	48	55.8	28	32.6	2	2.3	-	-
DEER LODGE	70	-	-	-	-	3	4.3	33	47.1	33	47.1	1	1.4	-	-
FALLON	26	-	-	-	-	1	3.8	19	73.1	6	23.1	-	-	-	-
FERGUS	120	-	-	3	2.5	12	10.0	67	55.6	36	31.7	-	-	-	-
FLATHEAD	977	5	0.5	6	0.6	51	5.2	470	48.1	439	44.9	3	0.3	3	0.3
GALLATIN	1,014	1	0.1	6	0.6	71	7.0	554	54.8	373	36.8	7	0.7	2	0.2
GARFIELD	13	-	-	-	-	1	7.7	6	61.5	4	30.8	-	-	-	-
GLACIER	277	2	0.7	9	3.2	22	7.9	91	32.9	148	52.7	2	0.7	5	1.8
GOLDEN VALLEY	9	-	-	-	-	-	-	8	88.9	1	11.1	-	-	-	-
GRANITE	26	-	-	1	3.8	1	3.8	18	61.5	7	26.9	1	3.8	-	-
HILL	231	1	0.4	1	0.4	16	6.9	142	61.5	66	29.4	2	0.9	1	0.4
JEFFERSON	92	-	-	2	2.2	7	7.6	45	48.9	37	40.2	1	1.1	-	-
JUDITH BASIN	18	-	-	-	-	1	5.6	12	66.7	5	27.8	-	-	-	-
LAKE	390	8	1.5	9	2.3	34	8.7	208	53.3	130	33.3	3	0.8	-	-
LEWIS & CLARK	653	5	0.8	7	1.1	64	9.8	287	44.0	277	42.4	11	1.7	2	0.3
LIBERTY	16	-	-	1	5.6	1	5.6	13	72.2	3	18.7	-	-	-	-
LINCOLN	183	-	-	-	-	3	1.6	84	45.9	91	49.7	2	1.1	3	1.6
MCCONE	11	-	-	-	-	3	27.3	7	63.6	1	9.1	-	-	-	-
MADISON	56	-	-	-	-	2	3.6	33	58.9	21	37.5	-	-	-	-
MEAGHER	26	-	-	-	-	2	7.7	17	65.4	7	28.9	-	-	-	-
MINERAL	46	1	2.2	-	-	4	8.7	25	54.3	16	34.8	-	-	-	-
MISSOULA	1,147	10	0.9	17	1.5	101	8.8	647	58.4	367	32.0	5	0.4	-	-
MUSSELSHELL	59	-	-	-	-	6	10.2	35	59.3	17	28.8	1	1.7	-	-
PARK	154	1	0.6	3	1.9	19	12.3	69	44.8	59	38.3	3	1.9	-	-
PETROLEUM	7	-	-	-	-	-	-	6	85.7	1	14.3	-	-	-	-
PHILLIPS	47	-	-	-	-	4	8.5	29	61.7	14	29.8	-	-	-	-
PONDERA	75	1	1.3	1	1.3	7	9.3	34	45.3	28	37.3	2	2.7	2	2.7
POWDER RIVER	11	-	-	-	-	1	9.1	7	63.6	3	27.3	-	-	-	-
POWELL	60	-	-	1	1.7	6	10.0	30	50.0	22	36.7	1	1.7	-	-
PRAIRIE	12	-	-	-	-	-	-	8	66.7	4	33.3	-	-	-	-
RAVALLI	456	2	0.4	2	0.4	47	10.3	264	57.6	136	29.7	6	1.3	1	0.2
RICHLAND	80	-	-	-	-	2	2.5	53	66.3	24	30.0	1	1.3	-	-
ROOSEVELT	180	2	1.1	1	0.6	16	8.9	99	55.0	57	31.7	5	2.8	-	-
ROSEBUD	165	-	-	-	-	19	11.5	78	47.3	68	41.2	-	-	-	-
SANDERS	104	1	1.0	3	2.9	14	13.5	51	49.0	35	33.7	-	-	-	-
SHERIDAN	22	-	-	-	-	1	4.5	8	36.4	13	59.1	-	-	-	-
SILVER BOW	396	2	0.5	1	0.3	21	5.3	178	44.7	191	48.0	5	1.3	-	-
STILLWATER	99	-	-	2	2.0	13	13.1	44	44.4	37	37.4	3	3.0	-	-
SWEET GRASS	33	1	3.0	-	-	1	3.0	21	63.6	10	30.3	-	-	-	-
TETON	73	-	-	-	-	5	6.8	42	57.5	26	35.8	-	-	-	-
TOOLE	45	-	-	-	-	7	15.6	18	35.6	20	44.4	2	4.4	-	-
TREASURE	4	-	-	-	-	1	25.0	2	50.0	1	25.0	-	-	-	-
VALLEY	80	-	-	1	1.3	4	5.0	40	50.0	33	41.3	2	2.5	-	-
WHEATLAND	20	-	-	-	-	1	5.0	14	70.0	5	25.0	-	-	-	-
WIBAUX	6	-	-	-	-	-	-	4	66.7	2	33.3	-	-	-	-
YELLOWSTONE	1,790	8	0.4	14	0.8	146	8.2	1,008	56.3	804	33.7	10	0.8	-	-
YELLOWSTONE PAR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NOT STATED	3	-	-	-	-	-	-	1	33.3	2	66.7	-	-	-	-

* CLINICAL ESTIMATE OF COMPLETED WEEKS OF GESTATIONAL AGE

TABLE B-5

FREQUENCY AND PERCENT DISTRIBUTION OF LIVE BIRTHS TO MONTANA RESIDENTS
DELIVERING IN MONTANA BY NUMBER OF CHILDREN BORN ALIVE
AND YEARS OF EDUCATION OF MOTHER
MONTANA, 2003

EDUCATION OF MOTHER IN YEARS	NUMBER OF LIVE-BORN CHILDREN											
	TOTAL	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN OR MORE	NOT STATED
TOTAL												
NUMBER	11,278	4,287	3,584	2,003	803	318	138	67	29	17	25	7
PERCENT	100	38.0	31.8	17.8	7.1	2.8	1.2	0.6	0.3	0.2	0.2	0.1
NONE												
NUMBER	5	1	1	1	1	-	-	-	1	-	-	-
PERCENT	100	20.0	20.0	20.0	20.0	-	-	-	20.0	-	-	-
LESS THAN 8 YEARS												
NUMBER	54	13	8	10	14	5	2	-	2	-	-	-
PERCENT	100	24 1	14.8	18.5	25.9	9.3	3 7	-	3.7	-	-	-
8 YEARS												
NUMBER	231	71	47	39	29	19	15	6	-	4	1	-
PERCENT	100	30.7	20.3	16 9	12.6	8.2	6.5	2 6	-	1.7	0.4	-
9 YEARS												
NUMBER	315	133	83	44	28	16	4	3	-	1	3	-
PERCENT	100	42 2	26.3	14 0	8.9	5.1	1.3	1.0	-	0.3	1.0	-
10 YEARS												
NUMBER	497	240	113	72	35	16	10	7	1	-	3	-
PERCENT	100	48.3	22.7	14 5	7.0	3.2	2.0	1.4	0.2	-	0.6	-
11 YEARS												
NUMBER	660	296	169	111	45	21	8	3	3	1	3	-
PERCENT	100	44 8	25.6	16.8	6.8	3.2	1.2	0.5	0.5	0.2	0.5	-
12 YEARS												
NUMBER	3,734	1,356	1,183	716	288	99	46	12	13	6	12	3
PERCENT	100	36.3	31.7	19 2	7.7	2.7	1.2	0.3	0.3	0.2	0.3	0.1
1 YR COLLEGE												
NUMBER	981	348	308	183	78	34	12	13	3	2	-	-
PERCENT	100	35.5	31 4	18.7	8.0	3 5	1.2	1.3	0.3	0 2	-	-
2 YRS COLLEGE												
NUMBER	1,271	393	436	269	101	44	12	11	3	2	-	-
PERCENT	100	30.9	34.3	21.2	7.9	3.5	0.9	0.9	0.2	0.2	-	-
3 YRS COLLEGE												
NUMBER	493	185	175	82	33	8	5	4	-	-	1	-
PERCENT	100	37.5	35.5	16.6	6.7	1.6	1.0	0.8	-	-	0 2	-
4 YRS COLLEGE												
NUMBER	1,817	725	636	293	96	37	18	6	3	1	1	1
PERCENT	100	39 9	35.0	16.1	5.3	2.0	1.0	0.3	0.2	0.1	0.1	0.1
POST GRADUATE												
NUMBER	1,184	512	417	181	53	14	6	1	-	-	-	-
PERCENT	100	43.2	35.2	15.3	4.5	1.2	0.5	0.1	-	-	-	-
NOT STATED												
NUMBER	36	14	8	2	2	5	-	1	-	-	1	3
PERCENT	100	38.9	22 2	5 6	5.6	13.9	-	2.8	-	-	2.8	8.3

TABLE B-6

FREQUENCY OF LIVE BIRTHS BY MONTH PRE-NATAL HEALTHCARE BEGAN
AND BY COUNTY OF RESIDENCE
MONTANA, 2003

COUNTY	TOTAL	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	No Care	Not Stated
MONTANA, TOTAL	11,384	1,436	5,269	2,866	811	424	221	123	91	33	56	54
BEAVERHEAD	82	2	36	24	14	4	1	-	-	-	-	1
BIG HORN	264	27	98	56	26	19	16	8	8	2	4	-
BLAINE	123	9	42	35	17	6	5	3	3	1	2	-
BROADWATER	36	4	20	8	2	1	-	1	-	-	-	-
CARBON	76	11	34	16	7	4	2	1	1	-	-	-
CARTER	7	-	1	3	2	1	-	-	-	-	-	-
CASCADE	1,128	324	498	215	53	20	6	4	1	3	4	-
CHOUTEAU	44	6	24	11	3	-	-	-	-	-	-	-
CUSTER	132	2	39	57	21	10	1	2	-	-	-	-
DANIELS	18	2	10	3	1	1	1	-	-	-	-	-
DAWSON	86	17	24	30	10	1	4	-	-	-	-	-
DEER LODGE	70	4	43	14	5	1	1	2	-	-	-	-
FALLON	26	1	7	14	3	1	-	-	-	-	-	-
FERGUS	120	1	39	49	23	4	1	-	2	-	1	-
FLATHEAD	977	84	455	296	63	40	18	8	2	1	6	4
GALLATIN	1,014	74	504	356	41	20	8	1	5	1	2	2
GARFIELD	13	2	4	6	1	-	-	-	-	-	-	-
GLACIER	277	53	94	56	21	19	13	6	5	-	3	7
GOLDEN VALLEY	9	-	1	5	1	1	1	-	-	-	-	-
GRANITE	26	3	8	9	4	1	-	1	-	-	-	-
HILL	231	14	101	54	25	12	12	5	6	-	-	2
JEFFERSON	92	9	59	17	4	-	2	-	-	-	1	-
JUDITH BASIN	18	2	2	7	5	1	-	1	-	-	-	-
LAKE	390	46	162	101	28	27	11	3	3	2	3	4
LEWIS & CLARK	653	121	365	98	24	21	8	5	4	1	5	1
LIBERTY	18	3	8	4	2	1	-	-	-	-	-	-
LINCOLN	183	24	66	44	24	15	1	1	1	-	4	3
MCCONE	11	1	4	3	1	1	1	-	-	-	-	-
MADISON	56	4	27	18	4	1	1	1	-	-	-	-
MEAGHER	26	1	12	3	4	2	4	-	-	-	-	-
MINERAL	46	1	19	15	2	3	1	2	2	-	-	1
MISSOULA	1,147	74	555	348	81	31	18	16	5	5	4	10
MUSSELSHELL	59	7	25	15	4	3	-	3	1	1	-	-
PARK	154	18	68	53	5	2	1	2	3	-	-	2
PETROLEUM	7	-	3	3	-	1	-	-	-	-	-	-
PHILLIPS	47	4	13	18	6	3	2	1	-	-	-	-
PONDERA	75	7	25	18	9	7	1	2	1	1	3	1
POWDER RIVER	11	-	1	6	1	2	1	-	-	-	-	-
POWELL	60	7	32	12	6	1	1	-	-	-	-	1
PRAIRIE	12	1	2	3	3	2	1	-	-	-	-	-
RAVALLI	458	45	226	117	34	13	7	5	1	1	3	6
RICHLAND	80	7	44	18	5	3	-	1	1	1	-	-
ROOSEVELT	180	13	63	38	30	15	8	5	6	1	-	1
ROSEBUD	165	15	57	42	23	10	5	4	4	1	4	-
SANDERS	104	9	39	27	10	6	6	2	1	1	-	3
SHERIDAN	22	4	12	5	-	-	-	-	-	-	-	1
SILVER BOW	398	8	241	79	32	16	7	5	8	-	1	1
STILLWATER	99	14	60	13	7	-	-	2	-	-	1	2
SWEET GRASS	33	5	18	5	1	1	-	-	2	-	1	-
TETON	73	18	24	16	6	5	3	-	-	-	-	1
TOOLE	45	15	18	7	-	2	2	-	-	-	1	-
TREASURE	4	1	2	-	1	-	-	-	-	-	-	-
VALLEY	80	4	40	19	9	6	1	-	-	1	-	-
WHEATLAND	20	4	6	4	1	3	2	-	-	-	-	-
WIBAUX	6	3	2	-	-	-	-	1	-	-	-	-
YELLOWSTONE	1,790	301	885	372	96	54	36	19	15	9	3	-
YELLOWSTONE PARK	-	-	-	-	-	-	-	-	-	-	-	-
NOT STATED	3	-	2	1	-	-	-	-	-	-	-	-

* EACH PERCENTAGE HAS BEEN INDEPENDENTLY ROUNDED TO THE NEAREST TENTH OF ONE PERCENT
HENCE, THE SUMS OF PARTS MAY DIFFER SLIGHTLY FROM THE TOTALS.

TABLE O-1

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2003

CAUSE OF DEATH*	ALL AGES			LESS THAN 1 YR		1 YEAR OLD		2 - 4 YEARS		5 - 9 YEARS		10 - 14 YEARS	
	BOTH	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
ALL CAUSES	**8,445**	**4,332**	**4,113**	**43**	**34**	**5**	**4**	**1**	**2**	**5**	**6**	**10**	**4**
CERTAIN INFECTIOUS AND PARASITIC DISEASES	**145**	**74**	**71**	**1**	-	-	-	-	-	**1**	-	-	-
__INTESTINAL INFECTIOUS DISEASES	7	4	3	-	-	-	-	-	-	-	-	-	-
___OTHER INTESTINAL INFECTIOUS DISEASES	7	4	3	-	-	-	-	-	-	-	-	-	-
_____(5) OTHER BACTERIAL FOOD-BORNE INTOXICATIONS	1	1	-	-	-	-	-	-	-	-	-	-	-
_____(7) INTESTINAL INFECTIONS DUE TO OTHER SPECIFIED ORGANISMS	6	3	3	-	-	-	-	-	-	-	-	-	-
__TUBERCULOSIS	1	1	-	-	-	-	-	-	-	-	-	-	-
____(9) RESPIRATORY	1	1	-	-	-	-	-	-	-	-	-	-	-
__ZOONOTIC AND OTHER BACTERIAL DISEASES	93	35	58	1	-	-	-	-	-	-	-	-	-
____(18) SEPTICEMIA	87	32	55	1	-	-	-	-	-	-	-	-	-
____(19) OTHER ZOONOTIC AND BACTERIAL DISEASES	6	3	3	-	-	-	-	-	-	-	-	-	-
__VIRAL DISEASES	31	24	7	-	-	-	-	-	-	-	-	-	-
____(32) OTHER AND UNSPECIFIED ARTHROPOD-BORNE VIRAL AND HEMORRHAGIC FEVERS	4	4	-	-	-	-	-	-	-	-	-	-	-
____(33) HERPESVIRAL (HERPES SIMPLEX) INFECTIONS	1	-	1	-	-	-	-	-	-	-	-	-	-
____(38) VIRAL HEPATITIS	14	11	3	-	-	-	-	-	-	-	-	-	-
___HUMAN IMMUNODEFICIENCY VIRUS (HIV) DISEASE	5	5	-	-	-	-	-	-	-	-	-	-	-
_____(39) RESULTING IN INFECTIOUS AND PARASITIC DISEASE	2	2	-	-	-	-	-	-	-	-	-	-	-
_____(40) RESULTING IN MALIGNANT NEOPLASMS	1	1	-	-	-	-	-	-	-	-	-	-	-
_____(43) UNSPECIFIED HUMAN IMMUNODEFICIENCY VIRUS (HIV) DISEASE	2	2	-	-	-	-	-	-	-	-	-	-	-
____(44) ALL OTHER AND UNSPECIFIED VIRAL DISEASES	7	4	3	-	-	-	-	-	-	-	-	-	-
__OTHER AND UNSPECIFIED INFECTIONS AND PARASITIC DISEASES AND THEIR SEQUELAE	13	10	3	-	-	-	-	-	-	1	-	-	-
____(48) MYCOSES	1	1	-	-	-	-	-	-	-	1	-	-	-
___PROTOZOAL DISEASES	1	1	-	-	-	-	-	-	-	-	-	-	-
____(49) PNEUMOCYSTOSIS	1	1	-	-	-	-	-	-	-	-	-	-	-
____(54) SEQUELAE OF POLIOMYELITIS	2	1	1	-	-	-	-	-	-	-	-	-	-
____(55) ALL OTHER AND UNSPECIFIED INFECTIONS AND PARASITIC DISEASES AND THEIR SEQUELAE	9	7	2	-	-	-	-	-	-	-	-	-	-
NEOPLASMS	**1,909**	**1,003**	**906**	-	-	-	-	**1**	-	**2**	-	**1**	**1**
__MALIGNANT NEOPLASMS	1,838	961	877	-	-	-	-	1	-	2	-	1	1
___MALIGNANT NEOPLASMS OF LIP, ORAL CAVITY AND PHARYNX	23	17	6	-	-	-	-	-	-	-	-	-	-
_____(57) OF TONGUE	7	6	1	-	-	-	-	-	-	-	-	-	-
_____(58) OF PHARYNX	12	9	3	-	-	-	-	-	-	-	-	-	-
_____(59) OF OTHER AND UNSPECIFIED SITES WITHIN THE LIP, ORAL CAVITY AND PHARYNX	4	2	2	-	-	-	-	-	-	-	-	-	-
___MALIGNANT NEOPLASMS OF DIGESTIVE ORGANS	383	207	176	-	-	-	-	-	-	-	-	1	-
_____(60) OF ESOPHAGUS	47	36	11	-	-	-	-	-	-	-	-	-	-
_____(61) OF STOMACH	34	16	18	-	-	-	-	-	-	-	-	-	-
_____(62) OF SMALL INTESTINE	4	-	4	-	-	-	-	-	-	-	-	-	-
_____OF COLON, RECTUM AND ANUS	164	78	86	-	-	-	-	-	-	-	-	-	-
_____(63) COLON	137	62	75	-	-	-	-	-	-	-	-	-	-
_____(64) RECTOSIGMOID JUNCTION AND RECTUM	27	16	11	-	-	-	-	-	-	-	-	-	-
_____OF LIVER AND INTRAHEPATIC BILE DUCTS	36	27	9	-	-	-	-	-	-	-	-	1	-
_____(66) LIVER	23	19	4	-	-	-	-	-	-	-	-	1	-
_____(67) INTRAHEPATIC BILE DUCT CARCINOMA	13	8	5	-	-	-	-	-	-	-	-	-	-
_____(68) OF GALLBLADDER AND EXTRAHEPATIC BILE DUCTS	7	1	6	-	-	-	-	-	-	-	-	-	-
_____(69) OF PANCREAS	89	48	41	-	-	-	-	-	-	-	-	-	-
_____(70) OF OTHER AND ILL-DEFINED DIGESTIVE ORGANS	2	1	1	-	-	-	-	-	-	-	-	-	-
___MALIGNANT NEOPLASMS OF RESPIRATORY AND INTRATHORACIC ORGANS	550	309	241	-	-	-	-	-	-	-	-	-	-
_____(71) OF NASAL CAVITY, MIDDLE EAR AND ACCESSORY SINUSES	1	1	-	-	-	-	-	-	-	-	-	-	-
_____(72) OF LARYNX	11	6	5	-	-	-	-	-	-	-	-	-	-
_____(73) OF TRACHEA, BRONCHUS AND LUNG	534	298	236	-	-	-	-	-	-	-	-	-	-
_____(74) OF THYMUS, HEART, MEDIASTINUM AND PLEURA	4	4	-	-	-	-	-	-	-	-	-	-	-
___(76) MALIGNANT NEOPLASMS OF BONE AND ARTICULAR CARTILAGE	2	-	2	-	-	-	-	-	-	-	-	-	1
___MELANOMA AND OTHER MALIGNANT NEOPLASMS OF SKIN	45	29	16	-	-	-	-	-	-	-	-	-	-
_____(77) MALIGNANT MELANOMA OF SKIN	35	20	15	-	-	-	-	-	-	-	-	-	-
_____(78) OTHER MALIGNANT NEOPLASMS OF SKIN	10	9	1	-	-	-	-	-	-	-	-	-	-
___MALIGNANT NEOPLASMS OF MESOTHELIAL AND SOFT TISSUE	19	10	9	-	-	-	-	-	-	-	-	-	-
_____(79) MESOTHELIOMA	13	9	4	-	-	-	-	-	-	-	-	-	-
_____(81) OF OTHER MESOTHELIAL AND SOFT TISSUE	6	1	5	-	-	-	-	-	-	-	-	-	-
___(82) MALIGNANT NEOPLASM OF BREAST	116	1	115	-	-	-	-	-	-	-	-	-	-
___MALIGNANT NEOPLASMS OF FEMALE GENITAL ORGANS	88	-	88	-	-	-	-	-	-	-	-	-	-
_____(83) OF VULVA AND VAGINA	4	-	4	-	-	-	-	-	-	-	-	-	-

* LIST OF 358 SELECTED UNDERLYING CAUSES OF DEATH. LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES SHOWN IN FIGURE 2.

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TABLE D-1 (CONTINUED)

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2003

CAUSE OF DEATH*	ALL AGES			LESS THAN 1 YR		1 YEAR OLD		2 - 4 YEARS		5 - 9 YEARS		10 - 14 YEARS	
	BOTH	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
_____(84) OF CERVIX UTERI	12	-	12	-	-	-	-	-	-	-	-	-	-
_____(85) OF CORPUS UTERI AND UTERUS, PART UNSPECIFIED	20	-	20	-	-	-	-	-	-	-	-	-	-
_____(86) OF OVARY	50	-	50	-	-	-	-	-	-	-	-	-	-
_____(87) OF OTHER AND UNSPECIFIED FEMALE GENITAL ORGANS	2	-	2	-	-	-	-	-	-	-	-	-	-
___MALIGNANT NEOPLASMS OF MALE GENITAL ORGANS	112	112	-	-	-	-	-	-	-	-	-	-	-
_____(89) OF PROSTATE	109	109	-	-	-	-	-	-	-	-	-	-	-
_____(90) OF TESTIS	2	2	-	-	-	-	-	-	-	-	-	-	-
_____(91) OF PENIS AND OTHER AND UNSPECIFIED MALE GENITAL ORGANS	1	1	-	-	-	-	-	-	-	-	-	-	-
___MALIGNANT NEOPLASMS OF URINARY TRACT	92	63	29	-	-	-	-	-	-	-	-	-	-
_____(92) OF KIDNEY AND RENAL PELVIS	42	27	15	-	-	-	-	-	-	-	-	-	-
_____(93) OF BLADDER	47	34	13	-	-	-	-	-	-	-	-	-	-
_____(94) OF OTHER AND UNSPECIFIED SITES WITHIN THE URINARY TRACT	3	2	1	-	-	-	-	-	-	-	-	-	-
___MALIGNANT NEOPLASMS OF MENINGES, BRAIN AND OTHER PARTS OF CENTRAL NERVOUS SYSTEM	54	29	25	-	-	-	-	-	-	1	-	-	-
_____(96) OF BRAIN	54	29	25	-	-	-	-	-	-	1	-	-	-
___(98) MALIGNANT NEOPLASMS OF THYROID AND OTHER ENDOCRINE GLANDS	6	3	3	-	-	-	-	-	-	-	-	-	-
___(99) OTHER MALIGNANT NEOPLASMS OF OTHER AND UNSPECIFIED SITES	142	71	71	-	-	-	-	-	-	-	-	-	-
___MALIGNANT NEOPLASMS OF LYMPHOID, HEMATOPOIETIC AND RELATED TISSUE	206	110	96	-	-	-	-	1	-	1	-	-	-
_____(100) HODGKIN'S DISEASE	4	1	3	-	-	-	-	-	-	-	-	-	-
_____OF OTHER LYMPHOID, HEMATOPOIETIC AND RELATED TISSUE	80	40	40	-	-	-	-	-	-	-	-	-	-
_____(101) NON-HODGKIN'S LYMPHOMA	80	40	40	-	-	-	-	-	-	-	-	-	-
_____(103) MALIGNANT IMMUNOPROLIFERATIVE DISEASES	1	-	1	-	-	-	-	-	-	-	-	-	-
_____(104) MULTIPLE MYELOMA AND MALIGNANT PLASMA CELL NEOPLASMS	44	25	19	-	-	-	-	-	-	-	-	-	-
_____LEUKEMIA	77	44	33	-	-	-	-	1	-	1	-	-	-
_____(105) LYMPHOID LEUKEMIA	20	15	5	-	-	-	-	-	-	1	-	-	-
_____(106) MYELOID LEUKEMIA	38	19	19	-	-	-	-	-	-	-	-	-	-
_____(107) MONOCYTIC LEUKEMIA	1	-	1	-	-	-	-	-	-	-	-	-	-
_____(108) OTHER AND UNSPECIFIED LEUKEMIA	18	10	8	-	-	-	-	1	-	-	-	-	-
__BENIGN NEOPLASMS	6	1	5	-	-	-	-	-	-	-	-	-	-
___(112) OF EYE, BRAIN AND OTHER PARTS OF CENTRAL NERVOUS SYSTEM	5	1	4	-	-	-	-	-	-	-	-	-	-
___(113) OF OTHER AND UNSPECIFIED SITES	1	-	1	-	-	-	-	-	-	-	-	-	-
__(114) NEOPLASMS OF UNCERTAIN OR UNKNOWN BEHAVIOR OF SPECIFIED SITES	59	40	19	-	-	-	-	-	-	-	-	-	-
__(115) NEOPLASM OF UNCERTAIN OR UNKNOWN BEHAVIOR OF UNSPECIFIED SITES	6	1	5	-	-	-	-	-	-	-	-	-	-
DISEASES OF THE BLOOD AND BLOOD FORMING ORGANS AND CERTAIN DISORDERS INVOLVING THE IMMUNE MECHANISM	**33**	**14**	**19**	-	-	-	-	-	-	-	-	-	-
__ANEMIAS	19	7	12	-	-	-	-	-	-	-	-	-	-
___(116) NUTRITIONAL ANEMIAS	3	1	2	-	-	-	-	-	-	-	-	-	-
___(117) HEMOLYTIC ANEMIAS	2	1	1	-	-	-	-	-	-	-	-	-	-
___(118) APLASTIC ANEMIAS	6	1	5	-	-	-	-	-	-	-	-	-	-
___(119) ACUTE POSTHEMORRHAGIC AND OTHER ANEMIAS	8	4	4	-	-	-	-	-	-	-	-	-	-
__(120) COAGULATION DEFECTS, PURPURA AND OTHER HEMORRHAGIC CONDITIONS	4	2	2	-	-	-	-	-	-	-	-	-	-
__(121) OTHER DISEASES OF BLOOD AND BLOOD-FORMING ORGANS	6	2	4	-	-	-	-	-	-	-	-	-	-
__(122) CERTAIN DISORDERS INVOLVING THE IMMUNE MECHANISM	4	3	1	-	-	-	-	-	-	-	-	-	-
ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES	**345**	**178**	**167**	**1**	**1**	**1**	**1**	-	-	**1**	-	**1**	-
__ENDOCRINE DISEASES	266	138	128	-	-	1	-	-	-	-	-	1	-
___(123) DISORDERS OF THYROID GLAND	2	-	2	-	-	-	-	-	-	-	-	-	-
___(124) DIABETES MELLITUS	263	138	125	-	-	1	-	-	-	-	-	1	-
___(126) DISORDERS OF ADRENAL GLANDS	1	-	1	-	-	-	-	-	-	-	-	-	-
__NUTRITIONAL DISEASES	33	14	19	-	-	-	-	-	-	-	-	-	-
___MALNUTRITION	18	5	13	-	-	-	-	-	-	-	-	-	-
_____(130) OTHER AND UNSPECIFIED MALNUTRITION	18	5	13	-	-	-	-	-	-	-	-	-	-
___(132) OBESITY AND OTHER HYPERALIMENTATION	15	9	6	-	-	-	-	-	-	-	-	-	-
__METABOLIC DISORDERS	46	26	20	1	1	-	1	-	-	1	-	-	-
___(133) CYSTIC FIBROSIS	5	5	-	-	-	-	-	-	-	1	-	-	-
___(134) VOLUME DEPLETION, DISORDERS OF FLUID, ELECTROLYTE AND ACID-BASE BALANCE	18	7	11	-	-	-	-	-	-	-	-	-	-
___(135) OTHER METABOLIC DISORDERS	23	14	9	1	1	-	1	-	-	-	-	-	-
MENTAL AND BEHAVIORAL DISORDERS	**261**	**96**	**165**	**1**	-	-	-	-	-	-	-	-	-
__(136) ORGANIC DEMENTIA	183	50	133	-	-	-	-	-	-	-	-	-	-
__(137) OTHER AND UNSPECIFIED ORGANIC MENTAL DISORDERS	5	2	3	-	-	-	-	-	-	-	-	-	-
__MENTAL AND BEHAVIORAL DISORDERS DUE TO PSYCHOACTIVE SUBSTANCE USE	61	40	21	1	-	-	-	-	-	-	-	-	-
___(138) MENTAL AND BEHAVIORAL DISORDERS DUE TO USE OF ALCOHOL	39	27	12	-	-	-	-	-	-	-	-	-	-
___(139) MENTAL AND BEHAVIORAL DISORDERS DUE TO OTHER PSYCHOACTIVE SUBSTANCE USE	22	13	9	1	-	-	-	-	-	-	-	-	-

* LIST OF 358 SELECTED UNDERLYING CAUSES OF DEATH LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES SHOWN IN FIGURE 2

TABLE D-1 (CONTINUED)

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2003

CAUSE OF DEATH*	ALL AGES			LESS THAN 1 YR		1 YEAR OLD		2 - 4 YEARS		5 - 9 YEARS		10 - 14 YEARS	
	BOTH	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
__(141) MOOD (AFFECTIVE) DISORDERS	6	1	5	-	-	-	-	-	-	-	-	-	-
__(142) NEUROTIC, STRESS-RELATED AND SOMATOFORM DISORDERS	1	1	-	-	-	-	-	-	-	-	-	-	-
__(143) MENTAL RETARDATION	2	2	-	-	-	-	-	-	-	-	-	-	-
__(144) OTHER AND UNSPECIFIED MENTAL AND BEHAVIORAL DISORDERS	3	-	3	-	-	-	-	-	-	-	-	-	-
DISEASES OF THE NERVOUS SYSTEM	**420**	**169**	**251**	**1**	-	-	-	-	-	-	**1**	**1**	-
__(145) MENINGITIS	1	1	-	-	-	-	-	-	-	-	-	-	-
__(146) OTHER INFLAMMATORY DISEASES OF CENTRAL NERVOUS SYSTEM	2	1	1	-	-	-	-	-	-	-	-	-	-
__(147) PARKINSON'S DISEASE	76	40	36	-	-	-	-	-	-	-	-	-	-
__(148) ALZHEIMER'S DISEASE	236	73	163	-	-	-	-	-	-	-	-	-	-
__(149) MULTIPLE SCLEROSIS	21	8	13	-	-	-	-	-	-	-	-	-	-
__(150) EPILEPSY	2	2	-	-	-	-	-	-	-	-	-	-	-
__(152) INFANTILE CEREBRAL PALSY	3	2	1	-	-	-	-	-	-	-	-	1	-
__(153) ALL OTHER DISEASES OF NERVOUS SYSTEM	79	42	37	1	-	-	-	-	-	-	1	-	-
(154) DISEASES OF THE EYE AND ADNEXA	1	-	1	-	-	-	-	-	-	-	-	-	-
(155) DISEASES OF THE EAR AND MASTOID PROCESS	1	-	1	-	-	-	-	-	-	-	-	-	-
DISEASES OF THE CIRCULATORY SYSTEM	**2,765**	**1,440**	**1,325**	-	**1**	-	-	-	-	-	-	-	-
__ACUTE RHEUMATIC FEVER AND CHRONIC RHEUMATIC HEART DISEASE	13	2	11	-	-	-	-	-	-	-	-	-	-
___CHRONIC RHEUMATIC HEART DISEASES	13	2	11	-	-	-	-	-	-	-	-	-	-
_____157) RHEUMATIC MITRAL VALVE DISEASE	4	2	2	-	-	-	-	-	-	-	-	-	-
_____(158) RHEUMATIC AORTIC VALVE DISEASE	1	-	1	-	-	-	-	-	-	-	-	-	-
_____(159) DISORDERS OF BOTH MITRAL AND AORTIC VALVES	4	-	4	-	-	-	-	-	-	-	-	-	-
_____(160) OTHER CHRONIC RHEUMATIC HEART DISEASE	4	-	4	-	-	-	-	-	-	-	-	-	-
__HYPERTENSIVE DISEASES	99	37	62	-	-	-	-	-	-	-	-	-	-
___(181) ESSENTIAL (PRIMARY) HYPERTENSION	28	9	19	-	-	-	-	-	-	-	-	-	-
___(182) HYPERTENSIVE HEART DISEASE	49	16	33	-	-	-	-	-	-	-	-	-	-
___(183) HYPERTENSIVE RENAL DISEASE	17	9	8	-	-	-	-	-	-	-	-	-	-
___(184) HYPERTENSIVE HEART AND RENAL FAILURE	5	3	2	-	-	-	-	-	-	-	-	-	-
__ISCHEMIC HEART DISEASES	1,232	764	468	-	-	-	-	-	-	-	-	-	-
___(185) ACUTE MYOCARDIAL INFARCTION	500	287	213	-	-	-	-	-	-	-	-	-	-
___(186) OTHER ACUTE ISCHEMIC HEART DISEASES	4	2	2	-	-	-	-	-	-	-	-	-	-
___OTHER FORMS OF CHRONIC ISHCEMIC HEART DISEASE	728	475	253	-	-	-	-	-	-	-	-	-	-
_____(187) ATHEROSCLEROTIC CARDIOVASCULAR DISEASE, SO DESCRIBED	160	96	64	-	-	-	-	-	-	-	-	-	-
_____(188) ALL OTHER FORMS OF CHRONIC ISCHEMIC HEART DISEASE	568	379	189	-	-	-	-	-	-	-	-	-	-
__OTHER HEART DISEASES	675	311	364	-	1	-	-	-	-	-	-	-	-
___PULMONARY HEART DISEASE AND DISEASES OF PULMONARY CIRCULATION	65	31	34	-	-	-	-	-	-	-	-	-	-
_____(189) PULMONARY EMBOLISM	27	16	11	-	-	-	-	-	-	-	-	-	-
_____(190) OTHER PULMONARY HEART DISEASE AND DISEASES OF PULMONARY CIRCULATION	38	15	23	-	-	-	-	-	-	-	-	-	-
___OTHER NON-PULMONARY FORMS OF HEART DISEASE	610	280	330	-	1	-	-	-	-	-	-	-	-
_____(191) ACUTE AND SUBACUTE ENDOCARDITIS	4	3	1	-	-	-	-	-	-	-	-	-	-
_____(192) DISEASES OF PERICARDIUM AND ACUTE MYOCARDITIS	1	1	-	-	-	-	-	-	-	-	-	-	-
_____OTHER DISEASES OF ENDOCARDIUM	81	28	53	-	-	-	-	-	-	-	-	-	-
_____(193) NONRHEUMATIC MITRAL VALVE DISORDERS	7	1	6	-	-	-	-	-	-	-	-	-	-
_____(194) NONRHEUMATIC AORTIC VALVE DISORDERS	48	16	32	-	-	-	-	-	-	-	-	-	-
_____(195) ALL OTHER DISEASES OF ENDOCARDIUM	26	11	15	-	-	-	-	-	-	-	-	-	-
_____(196) CARDIOMYOPATHY	60	37	23	-	1	-	-	-	-	-	-	-	-
_____(197) CONDUCTION DISORDERS AND CARDIAC DYSRHYTHMIAS	139	77	62	-	-	-	-	-	-	-	-	-	-
_____HEART FAILURE	284	105	179	-	-	-	-	-	-	-	-	-	-
_____(198) CONGESTIVE HEART FAILURE	256	93	163	-	-	-	-	-	-	-	-	-	-
_____(199) OTHER AND UNSPECIFIED HEART FAILURE	28	12	16	-	-	-	-	-	-	-	-	-	-
_____(200) MYOCARDITIS, UNSPECIFIED AND MYOCARDIAL DEGENERATION	3	3	-	-	-	-	-	-	-	-	-	-	-
_____(201) ALL OTHER AND ILL-DEFINED FORMS OF HEART DISEASE	38	26	12	-	-	-	-	-	-	-	-	-	-
__CEREBROVASCULAR DISEASE	571	234	337	-	-	-	-	-	-	-	-	-	-
___(202) SUBARACHNOID HEMORRHAGE	28	8	20	-	-	-	-	-	-	-	-	-	-
___(203) INTRACEREBRAL AND OTHER INTRACRANIAL HEMORRHAGE	72	34	38	-	-	-	-	-	-	-	-	-	-
___(204) CEREBRAL INFARCTION	35	13	22	-	-	-	-	-	-	-	-	-	-
___(205) STROKE, NOT SPECIFIED AS HEMORRHAGE OR INFARCTION	317	125	192	-	-	-	-	-	-	-	-	-	-
___(206) OTHER CEREBROVASCULAR DISEASES AND THEIR SEQUELAE	119	54	65	-	-	-	-	-	-	-	-	-	-
__DISEASES OF ARTERIES, ARTERIOLES AND CAPILLARIES	157	85	72	-	-	-	-	-	-	-	-	-	-
___(207) ATHEROSCLEROSIS	49	23	26	-	-	-	-	-	-	-	-	-	-
___(208) AORTIC ANEURYSM AND DISSECTION	74	47	27	-	-	-	-	-	-	-	-	-	-

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TABLE D-1 (CONTINUED)

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2003

CAUSE OF DEATH*	ALL AGES			LESS THAN 1 YR		1 YEAR OLD		2 - 4 YEARS		5 - 9 YEARS		10 - 14 YEARS	
	BOTH	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
(189) OTHER DISEASES OF ARTERIES, ARTERIOLES AND CAPILLARIES	34	15	19	-	-	-	-	-	-	-	-	-	-
OTHER DISORDERS OF CIRCULATORY SYSTEM	18	7	11	-	-	-	-	-	-	-	-	-	-
(190) PHLEBITIS, THROMBOPHLEBITIS, VENOUS EMBOLISM AND THROMBOSIS	9	4	5	-	-	-	-	-	-	-	-	-	-
(191) ALL OTHER AND UNSPECIFIED DISORDERS OF CIRCULATORY SYSTEM	9	3	6	-	-	-	-	-	-	-	-	-	-
DISEASES OF THE RESPIRATORY SYSTEM	**1,007**	**488**	**519**	**1**	**2**	-	-	-	-	-	**1**	-	**1**
OTHER DISEASES OF THE RESPIRATORY SYSTEM	1,007	488	519	1	2	-	-	-	-	-	1	-	1
(185) INFLUENZA	18	8	10	1	-	-	-	-	-	-	-	-	-
PNEUMONIA	239	101	138	-	-	-	-	-	-	-	1	-	1
(196) VIRAL PNEUMONIA, NOT ELSEWHERE CLASSIFIED	1	-	1	-	-	-	-	-	-	-	1	-	-
(197) BACTERIAL PNEUMONIA	12	4	8	-	-	-	-	-	-	-	-	-	-
(198) PNEUMONIA DUE TO OTHER OR UNSPECIFIED ORGANISMS	226	97	129	-	-	-	-	-	-	-	-	-	1
OTHER ACUTE LOWE RESPIRATORY INFECTIONS	1	-	1	-	-	-	-	-	-	-	-	-	-
(2000 UNSPECIFIED ACUTE LOWER RESPIRATORY INFECTION	1	-	1	-	-	-	-	-	-	-	-	-	-
(201) OTHER DISEASES OF UPPER RESPIRATORY TRACT	1	1	-	-	-	-	-	-	-	-	-	-	-
CHRONIC LOWER RESPIRATORY DISEASE	587	298	289	-	-	-	-	-	-	-	-	-	-
BRONCHITIS, CHRONIC AND UNSPECIFIED, EMPHYSEMA AND ASTHMA	581	297	284	-	-	-	-	-	-	-	-	-	-
(202) BRONCHITIS, NOT SPECIFIED AS ACUTE OR CHRONIC	2	-	2	-	-	-	-	-	-	-	-	-	-
(203) CHRONIC BRONCHITIS	2	-	2	-	-	-	-	-	-	-	-	-	-
(204) EMPHYSEMA	67	39	28	-	-	-	-	-	-	-	-	-	-
(205) OTHER CHRONIC OBSTRUCTIVE PULMONARY DISEASE	496	251	245	-	-	-	-	-	-	-	-	-	-
(206) ASTHMA	14	7	7	-	-	-	-	-	-	-	-	-	-
(207) BRONCHIECTASIS	6	1	5	-	-	-	-	-	-	-	-	-	-
LUNG DISEASES DUE TO EXTERNAL AGENTS	72	43	29	-	-	-	-	-	-	-	-	-	-
(208) PNEUMONCONIOSES AND CHEMICAL EFFECTS	9	8	1	-	-	-	-	-	-	-	-	-	-
PNEUMONITIS DUE TO SOLIDS AND LIQUIDS	63	35	28	-	-	-	-	-	-	-	-	-	-
(209) PNEUMONITIS DUE TO FOOD AND VOMIT	63	35	28	-	-	-	-	-	-	-	-	-	-
(212) SUPPURATIVE AND NECROTIC CONDITIONS OF LOWER RESPIRATORY TRACT	1	1	-	-	-	-	-	-	-	-	-	-	-
(213) PLEURAL EFFUSION AND PLAQUE	5	1	4	-	-	-	-	-	-	-	-	-	-
(214) ALL OTHER DISEASES OF RESPIRATORY SYSTEM	83	35	48	-	2	-	-	-	-	-	-	-	-
DISEASES OF THE DIOESTIVE SYSTEM	**319**	**153**	**166**	**1**	**1**	-	-	-	-	-	-	-	-
DISEASES OF OTHER PARTS OF DIGESTIVE SYSTEM	319	153	166	1	1	-	-	-	-	-	-	-	-
(216) DISEASES OF ESOPHAGUS	11	5	6	-	-	-	-	-	-	-	-	-	-
PEPTIC ULCER	8	4	4	-	-	-	-	-	-	-	-	-	-
(217) GASTRIC ULCER	3	1	2	-	-	-	-	-	-	-	-	-	-
(218) DUODENAL ULCER	2	-	2	-	-	-	-	-	-	-	-	-	-
(219) PEPTIC ULCER, SITE UNSPECIFIED	3	3	-	-	-	-	-	-	-	-	-	-	-
(221) GASTRITIS AND DUODENITIS	1	-	1	-	-	-	-	-	-	-	-	-	-
(222) DYSPEPSIA AND OTHER DISEASES OF STOMACH AND DUODENUM	2	1	1	-	1	-	-	-	-	-	-	-	-
(223) DISEASES OF APPENDIX	1	-	1	-	-	-	-	-	-	-	-	-	-
(224) HENIA	8	3	5	-	-	-	-	-	-	-	-	-	-
(225) CROHN'S DISEASE AND ULCERATIVE COLITIS	3	2	1	-	-	-	-	-	-	-	-	-	-
(226) VASCULAR DISORDERS AND OBSTRUCTION OF INTESTINE WITHOUT HERNIA	58	17	41	-	-	-	-	-	-	-	-	-	-
(227) DIVERTICULAR DISEASE OF INTESTINE	11	4	7	-	-	-	-	-	-	-	-	-	-
(228) OTHER DISEASES OF INTESTINES AND PERITONEUM	14	7	7	-	-	-	-	-	-	-	-	-	-
(229) DISEASES OF PERITONEUM	3	1	2	-	-	-	-	-	-	-	-	-	-
DISEASES OF LIVER	141	85	56	1	-	-	-	-	-	-	-	-	-
(230) ALCHOLIC LIVER DISEASE	60	40	20	-	-	-	-	-	-	-	-	-	-
(232) FIBROSIS AND CIRRHOSIS OF LIVER	51	27	24	-	-	-	-	-	-	-	-	-	-
(233) OTHER DISEASES OF LIVER	30	18	12	1	-	-	-	-	-	-	-	-	-
(234) CHOLELITHIASIS AND OTHER DISORDERS OF GALLBLADDER	6	2	4	-	-	-	-	-	-	-	-	-	-
DISORDERS OF BILIARY TRACT AND PANCREAS	19	8	11	-	-	-	-	-	-	-	-	-	-
(235) PANCREATITIS	10	4	6	-	-	-	-	-	-	-	-	-	-
(236) OTHER DISORDERS OF BILIARY TRACT AND PANCREAS	9	4	5	-	-	-	-	-	-	-	-	-	-
(237) ALL OTHER DISEASES OF DIGESTIVE SYSTEM	33	14	19	-	-	-	-	-	-	-	-	-	-
DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE	**15**	**5**	**10**	-	-	-	-	-	-	-	-	-	-
(238) INFECTIONS OF SKIN AND SUBCUTANEOUS TISSUE	9	3	6	-	-	-	-	-	-	-	-	-	-
(239) OTHER AND UNSPECIFIED DISEASES OF SKIN AND SUBCUTANEOUS TISSUE	6	2	4	-	-	-	-	-	-	-	-	-	-
DISEASES OF THE MUSCUOLSKELETAL SYSTEM AND CONNECTIVE TISSUE	**60**	**18**	**42**	-	-	-	-	-	-	-	-	-	-
(240) RHEUMATOID ARTHRITIS AND RELATED INFLAMMATORY POLYARTHROPATHIES	14	7	7	-	-	-	-	-	-	-	-	-	-
(241) SYSTEMIC LUPUS ERYTHEMATOSUS	3	1	2	-	-	-	-	-	-	-	-	-	-

* LIST OF 358 SELECTED UNDERLYING CAUSES OF DEATH. LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES SHOWN IN FIGURE 2.

TABLE D-1 (CONTINUED)

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2003

CAUSE OF DEATH*	ALL AGES			LESS THAN 1 YR		1 YEAR OLD		2 - 4 YEARS		5 - 9 YEARS		10 - 14 YEARS	
	BOTH	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
__(242) OTHER ARTHROPATHIES AND RELATED DISORDERS	23	8	15	-	-	-	-	-	-	-	-	-	-
__(243) DORSOPATHIES	2	-	2	-	-	-	-	-	-	-	-	-	-
__(244) SOFT TISSUE DISORDERS	2	-	2	-	-	-	-	-	-	-	-	-	-
__OSTEOPATHIES, CHRONDROPATHIES AND OTHER DISORDERS OF MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE	16	2	14	-	-	-	-	-	-	-	-	-	-
____(245) OSTEOPOROSIS	9	-	9	-	-	-	-	-	-	-	-	-	-
DISEASES OF THE GENITOURINARY SYSTEM	**152**	**72**	**80**	**2**	**1**	-	-	-	-	-	-	-	-
__DISEASES OF URINARY SYSTEM	146	67	79	2	1	-	-	-	-	-	-	-	-
____GLOMERULAR AND RENAL TUBULO-INTERSTITIAL DISEASES	8	2	6	1	-	-	-	-	-	-	-	-	-
_____GLOMERULAR DISEASES	1	1	-	1	-	-	-	-	-	-	-	-	-
_____(248) NEPHROTIC SYNDROME	1	1	-	1	-	-	-	-	-	-	-	-	-
_____(250) RENAL TUBULO-INTERSTITIAL DISEASES	7	1	6	-	-	-	-	-	-	-	-	-	-
____(251) RENAL FAILURE	100	52	48	1	1	-	-	-	-	-	-	-	-
____(252) UROLITHIASIS	1	1	-	-	-	-	-	-	-	-	-	-	-
____(254) URINARY TRACT INFECTIONS, SITE NOT SPECIFED	32	9	23	-	-	-	-	-	-	-	-	-	-
____(255) OTHER DISEASES OF URINARY TRACT	5	3	2	-	-	-	-	-	-	-	-	-	-
__DISEASES OF MALE GENITAL ORGANS	5	5	-	-	-	-	-	-	-	-	-	-	-
____(256) HYPERPLASIA OF PROSTATE	4	4	-	-	-	-	-	-	-	-	-	-	-
____(257) OTHER DISEASES OF MALE GENITAL ORGANS	1	1	-	-	-	-	-	-	-	-	-	-	-
__DISORDERS OF FEMALE GENITAL ORGANS	1	-	1	-	-	-	-	-	-	-	-	-	-
____(260) NONINFLAMMATORY DISORDERS OF FEMALE GENITAL TRACT	1	-	1	-	-	-	-	-	-	-	-	-	-
__(272) OTHER DEATHS RELATED TO PREGNANCY, CHILDBIRTH AND THE PUERPERIUM	3	-	3	-	-	-	-	-	-	-	-	-	-
__(273) INDIRECT OBSTETRIC DEATHS	2	-	2	-	-	-	-	-	-	-	-	-	-
CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	**23**	**8**	**15**	**8**	**14**	-	-	-	-	-	**1**	-	-
__(274) NEWBORN AFFECTED BY MATERNAL FACTORS AND BY COMPLICATIONS OF PREGNANCY, LABOR AND DELIVERY	9	2	7	2	6	-	-	-	-	-	1	-	-
__(275) DISORDERS RELATED TO SHORT GESTATION AND LOW BIRTH WEIGHT, NOT ELSEWHERE CLASSIFIED	3	-	3	-	3	-	-	-	-	-	-	-	-
__(276) BIRTH TRAUMA	1	-	1	-	1	-	-	-	-	-	-	-	-
__(278) RESPIRATORY DISTRESS OF NEWBORN	2	1	1	1	1	-	-	-	-	-	-	-	-
__(279) OTHER RESPIRATORY CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	1	-	1	-	1	-	-	-	-	-	-	-	-
__(280) INFECTIONS SPECIFIC TO THE PERINATAL PERIOD	2	2	-	2	-	-	-	-	-	-	-	-	-
__(281) OTHER AND UNSPECIFIED CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	5	3	2	3	2	-	-	-	-	-	-	-	-
CONGENITAL MALFORMATIONS, DEFORMATIONS AND CNROMOSOMAL ABNORMALITIES	**30**	**19**	**11**	**13**	**7**	-	-	-	-	-	**1**	-	-
__(284) ALL OTHER CONGENITAL MALFORMATIONS OF NERVOUS SYSTEM	6	5	1	2	1	-	-	-	-	-	-	-	-
__(285(CONGENITAL MALFORMATIONS OF HEART	8	5	3	5	2	-	-	-	-	-	-	-	-
__(286) OTHER CONGENITAL MALFORMATIONS OR CIRCULATORY SYSTEM	3	2	1	-	1	-	-	-	-	-	-	-	-
__(288) OTHER CONGEITAL MALFORMATIONS AND DEFORMATIONS	6	3	3	2	1	-	-	-	-	-	1	-	-
__(289) DOWN'S SYNDROME	1	-	1	-	-	-	-	-	-	-	-	-	-
__(290) ALL OTHER CHROMOSOMAL ABNORMALITIES, NOT ELSEWHERE CLASSIFIED	6	4	2	4	2	-	-	-	-	-	-	-	-
SYMPTOMS, SIGNS AND ABNORMAL CLINICAL AND LABORATORY FINDINGS, NOT ELSEWHERE CLASSIFIED	**172**	**72**	**100**	**13**	**4**	**1**	-	-	-	-	-	-	-
__(291) SENILITY	50	10	40	-	-	-	-	-	-	-	-	-	-
__ILL-DEFINED AND UNKNOWN CAUSE OR MORTALITY	85	47	38	12	4	1	-	-	-	-	-	-	-
____(292) SUDDEN INFANT DEATH SYNDROME	12	9	3	9	3	-	-	-	-	-	-	-	-
____(293) OTHER ILL-OEFINED AND UNKNOWN CAUSES OF MORTALITY	73	38	35	3	1	1	-	-	-	-	-	-	-
__(294) ALL OTHER SYMPTOMS, SIGNS AND ABNORMAL CLINICAL AND LABORATORY FINDINGS, NOT ELSEWHERE CLASSIFIED	37	15	22	1	-	-	-	-	-	-	-	-	-
EXTERNAL CAUSES OF MORTALITY	**782**	**523**	**259**	**1**	**3**	**3**	**3**	-	**2**	**1**	**2**	**7**	**2**
__ACCIDENTS	515	327	188	1	3	2	2	-	1	-	2	5	2
____TRANSPORT ACCIDENTS	272	184	88	1	1	1	1	-	-	-	-	4	2
_____(295) RAILWAY ACCIDENTS	3	3	-	-	-	-	-	-	-	-	-	-	-
_____MOTOR VEHICLE ACCIDENTS	257	172	85	1	1	1	1	-	-	-	-	4	2
_____(296) PEDESTRIAN COLLISION WITH MOTOR VEHICLE	13	6	7	-	-	1	-	-	-	-	-	-	-
_____(297) PEDALCYCLIST COLLISION WITH MOTOR VEHICLE	3	3	-	-	-	-	-	-	-	-	-	1	-
_____(298) MOTORCYCLIST ANY ACCIDENT EXCEPT COLLISION WITH RAILWY CAR	15	14	1	-	-	-	-	-	-	-	-	-	-
_____MOTOR VEHICLE ACCIDENT WITH RAILWAY TRAIN	4	3	1	-	-	-	-	-	-	-	-	-	-
_____(300) OTHER MOTOR VEHICLE COLLISION WITH RAILWAY TRAIN	4	3	1	-	-	-	-	-	-	-	-	-	-
_____(301) MOTOR VEHICLE COLLISION WITH OTHER (NON-MOTORIZED) ROAD VEHICLE, STREETCAR ANIMAL OR PEDESTRIN	44	33	11	-	-	-	-	-	-	-	-	-	-
_____(302) CAR, PICKUP TRUCK OR VAN COLLISION WITH OTHER MOTOR VEHICLE	68	40	28	-	1	-	1	-	-	-	-	2	-
_____(303) HEAVY TRANSPORT VEHICLE OR BUS COLLISION WITH OTHER MOTOR VEHICLE	2	2	-	-	-	-	-	-	-	-	-	-	-
_____(304) MOTOR VEHICLE NONCOLLISION ACCIDENT	80	51	29	1	-	-	-	-	-	-	-	1	2
_____(305) SPECIAL-USE MOTOR VEHICLE ANY ACCIDENT	9	6	3	-	-	-	-	-	-	-	-	-	-
_____(306) OTHER AND UNSPECIFIED MOTOR VEHICLE ACCIDENTS	19	14	5	-	-	-	-	-	-	-	-	-	-
_____(308) OTHER AND UNSPECIFIED LAND TRANSPORT ACCIDENTS	2	1	1	-	-	-	-	-	-	-	-	-	-

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TABLE D-1 (CONTINUED)

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2003

CAUSE OF DEATH*	ALL AGES			LESS THAN 1 YR		1 YEAR OLD		2 - 4 YEARS		5 - 9 YEARS		10 - 14 YEARS	
	BOTH	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
(309) WATER TRANSPORT ACCIDENTS	4	2	2	-	-	-	-	-	-	-	-	-	-
(310) AIR AND SPACE TRANSPORT ACCIDENTS	4	4	-	-	-	-	-	-	-	-	-	-	-
(311) OTHER AND UNSPECIFIED TRANSPORT ACCIDENTS AND THEIR SEQUELAE	2	2	-	-	-	-	-	-	-	-	-	-	-
FALLS	70	35	35	-	-	-	-	-	-	-	-	-	-
(312) FALL ON SAME LEVEL	31	17	14	-	-	-	-	-	-	-	-	-	-
(313) FALL FROM ONE LEVEL TO ANOTHER	12	6	6	-	-	-	-	-	-	-	-	-	-
(314) UNSPECIFIED FALL	27	12	15	-	-	-	-	-	-	-	-	-	-
(315) ACCIDENTAL DISCHARGE OF FIREARMS	5	5	-	-	-	-	-	-	-	-	-	-	-
(317) ACCIDENTAL DROWNING AND SUBMERSION	16	13	3	-	-	1	1	-	-	-	1	-	-
(318) ACCIDENTAL INHALATION AND INGESTION OF FOOD OR OTHER OBJECTS CAUSING OBSTRUCTION OF RESPIRATORY TRACT	12	6	6	-	-	-	-	-	1	-	-	-	-
(319) OTHER ACCIDENTAL AND UNSPECIFIED THREATS TO BREATHING	12	9	3	-	1	-	-	-	-	-	-	-	-
(320) ACCIDENTAL EXPOSURE TO ELECTRIC CURRENT	1	1	-	-	-	-	-	-	-	-	-	-	-
(322) ACCIDENTAL EXPOSURE TO SMOKE, FIRE AND FLAMES	9	5	4	-	-	-	-	-	-	-	1	1	-
(323) ACCIDENTAL CONTACT WITH HEAR AND HOT SUBSTANCES	1	-	1	-	1	-	-	-	-	-	-	-	-
(325) EARTHQUAKE, VOLCANIC ERUPTION, AVALANCHE, LANDSLIDE AND OTHER EARTH MOVEMENTS	2	2	-	-	-	-	-	-	-	-	-	-	-
ACCIDENTAL POISONING AND EXPOSURE TO NOXIOUS SUBSTANCES	50	26	24	-	-	-	-	-	-	-	-	-	-
(327) BY AND EXPOSURE TO DRUGS AND OTHER BIOLOGICAL SUBSTANCES	45	23	22	-	-	-	-	-	-	-	-	-	-
(328) BY AND EXPOSURE TO OTHER AND UNSPECIFIED SOLID OR LIQUID SUBSTANCES	3	2	1	-	-	-	-	-	-	-	-	-	-
(329) BY AND EXPOSURE TO OTHER GASES AND VAPORS	2	1	1	-	-	-	-	-	-	-	-	-	-
(330) ALL OTHER AND UNSPECIFIED ACCIDENTS AND THEIR SEQUELAE	65	41	24	-	-	-	-	-	-	-	-	-	-
INTENTIONAL SELF-HARM AND SELF-POISONING (SUICIDE)	179	146	33	-	-	-	-	-	-	-	-	1	-
(331) POISONING BY AND EXPOSURE TO DRUGS AND OTHER BIOLOGICAL SUBSTANCES	17	4	13	-	-	-	-	-	-	-	-	-	-
(332) POISONING BY AND EXPOSURE TO OTHER AND UNSPECIFIED SOLID OR LIQUID SUBSTANCES AND THEIR VAPORS	2	1	1	-	-	-	-	-	-	-	-	-	-
(333) POISONING BY AND EXPOSURE TO GASES AND VAPORS	7	5	2	-	-	-	-	-	-	-	-	-	-
(334) BY HANGING, STRANGULATION AND SUFFOCATION	31	29	2	-	-	-	-	-	-	-	-	1	-
(335) BY DISCHARGE OF FIREARMS	119	105	14	-	-	-	-	-	-	-	-	-	-
(337) BY ALL OTHER AND UNSPECIFIED MEANS AND THEIR SEQUELAE	3	2	1	-	-	-	-	-	-	-	-	-	-
ASSAULT (HOMICIDE)	37	24	13	-	-	1	1	-	1	1	-	1	-
(338) BY DRUGS, BIOLOGICAL SUBSTANCES AND OTHER AND UNSPECIFIED NOXIOUS SUBSTANCES	1	1	-	-	-	1	-	-	-	-	-	-	-
(339) BY HANGING, STRANGULATION AND SUFFOCATION	2	-	2	-	-	-	-	-	-	-	-	-	-
(340) BY DISCHARGE OF FIREARMS	20	13	7	-	-	-	-	-	1	1	-	1	-
(341) BY SHARP OBJECT	5	4	1	-	-	-	-	-	-	-	-	-	-
(342) BY BLUNT OBJECT	3	1	2	-	-	-	-	-	-	-	-	-	-
(343) BY BODILY FORCE	1	1	-	-	-	-	-	-	-	-	-	-	-
(346) ASSAULT (HOMICIDE) BY ALL OTHER AND UNSPECIFIED MEANS AND THEIR SEQUELAE	5	4	1	-	-	-	1	-	-	-	-	-	-
EVENT OF UNDETERMINED INTENT	36	22	14	-	-	-	-	-	-	-	-	-	-
(347) POISONING BY AND EXPOSURE TO DRUGS AND BIOLOGICAL SUBSTANCES, UNDTERMINED INTENT	29	18	11	-	-	-	-	-	-	-	-	-	-
(348) POISONING BY AND EXPOSURE TO OTHER AND UNSPECIFIED SOLID OR LIQUID SUBSTANCES	1	1	-	-	-	-	-	-	-	-	-	-	-
(352) ALL OTHER AND UNSPECIFIED EVENTS OF UNDETERMINED INTENT AND THEIR SEQUELAE	6	3	3	-	-	-	-	-	-	-	-	-	-
COMPLICATIONS OF MEDICAL AND SURGICAL CARE	15	4	11	-	-	-	-	-	-	-	-	-	-
(356)DRUGS, MEDICAMENTS AND BIOLOGICAL SUBSTANCES CAUSING ADVERSE EFFECTS IN THERAPEUTIC USE, AND THEIR SEQUELAE	1	-	1	-	-	-	-	-	-	-	-	-	-
(358) OTHER COMPLICATIONS OF MEDICAL AND SURGICAL CARE AND THEIR SEQUELAE	14	4	10	-	-	-	-	-	-	-	-	-	-

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TABLE D-1 (CONTINUED)

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2003

CAUSE OF DEATH*	15 - 17 YEARS		18 - 19 YEARS		20 - 24 YEARS		25 - 29 YEARS		30 - 34 YEARS		35 - 39 YEARS	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
ALL CAUSES	24	15	23	12	57	18	47	28	49	29	61	33
CERTAIN INFECTIOUS AND PARASITIC DISEASES	-	-	-	-	1	-	2	1	-	-	3	1
__INTESTINAL INFECTIOUS DISEASES	-	-	-	-	-	-	-	-	-	-	-	-
____OTHER INTESTINAL INFECTIOUS DISEASES	-	-	-	-	-	-	-	-	-	-	-	-
_____(5) OTHER BACTERIAL FOOD-BORNE INTOXICATIONS	-	-	-	-	-	-	-	-	-	-	-	-
_____(7) INTESTINAL INFECTIONS DUE TO OTHER SPECIFIED ORGANISMS	-	-	-	-	-	-	-	-	-	-	-	-
__TUBERCULOSIS	-	-	-	-	-	-	-	-	-	-	-	-
____(9) RESPIRATORY	-	-	-	-	-	-	-	-	-	-	-	-
__ZOONOTIC AND OTHER BACTERIAL DISEASES	-	-	-	-	1	-	-	-	-	-	2	1
____(18) SEPTICEMIA	-	-	-	-	1	-	-	-	-	-	2	1
____(19) OTHER ZOONOTIC AND BACTERIAL DISEASES	-	-	-	-	-	-	-	-	-	-	-	-
__VIRAL DISEASES	-	-	-	-	-	-	2	1	-	-	1	-
____(32) OTHER AND UNSPECIFIED ARTHROPOD-BORNE VIRAL AND HEMORRHAGIC FEVERS	-	-	-	-	-	-	-	-	-	-	-	-
____(33) HERPESVIRAL (HERPES SIMPLEX) INFECTIONS	-	-	-	-	-	-	-	-	-	-	-	-
____(38) VIRAL HEPATITIS	-	-	-	-	-	-	-	-	-	-	-	-
____HUMAN IMMUNODEFICIENCY VIRUS (HIV) DISEASE	-	-	-	-	-	-	1	-	-	-	1	-
_____(39) RESULTING IN INFECTIOUS AND PARASITIC DISEASE	-	-	-	-	-	-	-	-	-	-	-	-
_____(46) RESULTING IN MALIGNANT NEOPLASMS	-	-	-	-	-	-	-	-	-	-	-	-
_____(43) UNSPECIFIED HUMAN IMMUNODEFICIENCY VIRUS (HIV) DISEASE	-	-	-	-	-	-	1	-	-	-	1	-
____(44) ALL OTHER AND UNSPECIFIED VIRAL DISEASES	-	-	-	-	-	-	1	1	-	-	-	-
__OTHER AND UNSPECIFIED INFECTIONS AND PARASITIC DISEASES AND THEIR SEQUELAE	-	-	-	-	-	-	-	-	-	-	-	-
____(48) MYCOSES	-	-	-	-	-	-	-	-	-	-	-	-
____PROTOZOAL DISEASES	-	-	-	-	-	-	-	-	-	-	-	-
_____(49) PNEUMOCYSTOSIS	-	-	-	-	-	-	-	-	-	-	-	-
____(54) SEQUELAE OF POLIOMYELITIS	-	-	-	-	-	-	-	-	-	-	-	-
____(55) ALL OTHER AND UNSPECIFIED INFECTIONS AND PARASITIC DISEASES AND THEIR SEQUELAE	-	-	-	-	-	-	-	-	-	-	-	-
NEOPLASMS	1	-	1	-	2	2	3	2	4	3	3	9
__MALIGNANT NEOPLASMS	1	-	1	-	2	2	2	2	4	3	3	8
____MALIGNANT NEOPLASMS OF LIP, ORAL CAVITY AND PHARYNX	-	-	-	-	1	-	-	-	2	-	-	-
_____(57) OF TONGUE	-	-	-	-	1	-	-	-	-	-	-	-
_____(58) OF PHARYNX	-	-	-	-	-	-	-	-	2	-	-	-
_____(59) OF OTHER AND UNSPECIFIED SITES WITHIN THE LIP, ORAL CAVITY AND PHARYNX	-	-	-	-	-	-	-	-	-	-	-	-
____MALIGNANT NEOPLASMS OF DIGESTIVE ORGANS	-	-	1	-	-	1	-	-	-	1	-	3
_____(60) OF ESOPHAGUS	-	-	-	-	-	-	-	-	-	-	-	-
_____(61) OF STOMACH	-	-	-	-	-	-	-	-	-	-	-	-
_____(62) OF SMALL INTESTINE	-	-	-	-	-	-	-	-	-	-	-	-
_____OF COLON, RECTUM AND ANUS	-	-	-	-	-	1	-	-	-	1	-	3
_____(63) COLON	-	-	-	-	-	1	-	-	-	1	-	2
_____(64) RECTOSIGMOID JUNCTION AND RECTUM	-	-	-	-	-	-	-	-	-	-	-	1
_____OF LIVER AND INTRAHEPATIC BILE DUCTS	-	-	1	-	-	-	-	-	-	-	-	-
_____(66) LIVER	-	-	1	-	-	-	-	-	-	-	-	-
_____(67) INTRAHEPATIC BILE DUCT CARCINOMA	-	-	-	-	-	-	-	-	-	-	-	-
_____(68) OF GALLBLADDER AND EXTRAHEPATIC BILE DUCTS	-	-	-	-	-	-	-	-	-	-	-	-
_____(69) OF PANCREAS	-	-	-	-	-	-	-	-	-	-	-	-
_____(76) OF OTHER AND ILL-DEFINED DIGESTIVE ORGANS	-	-	-	-	-	-	-	-	-	-	-	-
____MALIGNANT NEOPLASMS OF RESPIRATORY AND INTRATHORACIC ORGANS	-	-	-	-	-	-	1	-	-	-	-	-
_____(71) OF NASAL CAVITY, MIDDLE EAR AND ACCESSORY SINUSES	-	-	-	-	-	-	-	-	-	-	-	-
_____(72) OF LARYNX	-	-	-	-	-	-	-	-	-	-	-	-
_____(73) OF TRACHEA, BRONCHUS AND LUNG	-	-	-	-	-	-	-	-	-	-	-	-
_____(74) OF THYMUS, HEART, MEDIASTINUM AND PLEURA	-	-	-	-	-	-	1	-	-	-	-	-
____(76) MALIGNANT NEOPLASMS OF BONE AND ARTICULAR CARTILAGE	-	-	-	-	-	1	-	-	-	-	-	-
____MELANOMA AND OTHER MALIGNANT NEOPLASMS OF SKIN	-	-	-	-	-	-	-	1	-	-	2	1
_____(77) MALIGNANT MELANOMA OF SKIN	-	-	-	-	-	-	-	1	-	-	2	1
_____(78) OTHER MALIGNANT NEOPLASMS OF SKIN	-	-	-	-	-	-	-	-	-	-	-	-
____MALIGNANT NEOPLASMS OF MESOTHELIAL AND SOFT TISSUE	-	-	-	-	-	-	-	-	-	-	-	-
_____(79) MESOTHELIOMA	-	-	-	-	-	-	-	-	-	-	-	-
_____(81) OF OTHER MESOTHELIAL AND SOFT TISSUE	-	-	-	-	-	-	-	-	-	-	-	-
____(82) MALIGNANT NEOPLASM OF BREAST	-	-	-	-	-	-	-	-	-	-	-	1
____MALIGNANT NEOPLASMS OF FEMALE GENITAL ORGANS	-	-	-	-	-	-	-	-	-	2	-	1
_____(83) OF VULVA AND VAGINA	-	-	-	-	-	-	-	-	-	-	-	-

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TABLE D-1 (CONTINUED)

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MONTANA RESIDENTS, 2003

CAUSE OF DEATH*	15 - 17 YEARS		18 - 19 YEARS		20 - 24 YEARS		25 - 29 YEARS		30 - 34 YEARS		35 - 39 YEARS	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
(84) OF CERVIX UTERI	-	-	-	-	-	-	-	-	-	1	-	-
(85) OF CORPUS UTERI AND UTERUS, PART UNSPECIFIED	-	-	-	-	-	-	-	-	-	-	-	-
(86) OF OVARY	-	-	-	-	-	-	-	-	-	1	-	1
(87) OF OTHER AND UNSPECIFIED FEMALE GENITAL ORGANS	-	-	-	-	-	-	-	-	-	-	-	-
MALIGNANT NEOPLASMS OF MALE GENITAL ORGANS	-	-	-	-	-	-	-	-	-	-	-	-
(89) OF PROSTATE	-	-	-	-	-	-	-	-	-	-	-	-
(90) OF TESTIS	-	-	-	-	-	-	-	-	-	-	-	-
(91) OF PENIS AND OTHER AND UNSPECIFIED MALE GENITAL ORGANS	-	-	-	-	-	-	-	-	-	-	-	-
MALIGNANT NEOPLASMS OF URINARY TRACT	-	-	-	-	-	-	-	-	-	-	-	-
(92) OF KIDNEY AND RENAL PELVIS	-	-	-	-	-	-	-	-	-	-	-	-
(93) OF BLADDER	-	-	-	-	-	-	-	-	-	-	-	-
(94) OF OTHER AND UNSPECIFIED SITES WITHIN THE URINARY TRACT	-	-	-	-	-	-	-	-	-	-	-	-
MALIGNANT NEOPLASMS OF MENINGES, BRAIN AND OTHER PARTS OF CENTRAL NERVOUS SYSTEM	1	-	-	-	-	-	-	-	1	-	1	2
(96) OF BRAIN	1	-	-	-	-	-	-	-	1	-	1	2
(98) MALIGNANT NEOPLASMS OF THYROID AND OTHER ENDOCRINE GLANDS	-	-	-	-	-	-	-	-	-	-	-	-
(99) OTHER MALIGNANT NEOPLASMS OF OTHER AND UNSPECIFIED SITES	-	-	-	-	-	-	-	-	1	-	-	-
MALIGNANT NEOPLASMS OF LYMPHOID, HEMATOPOIETIC AND RELATED TISSUE	-	-	-	-	1	-	1	1	-	-	-	-
(100) HODGKIN'S DISEASE	-	-	-	-	-	-	1	-	-	-	-	-
OF OTHER LYMPHOID, HEMATOPOIETIC AND RELATED TISSUE	-	-	-	-	-	-	-	-	-	-	-	-
(101) NON-HODGKIN'S LYMPHOMA	-	-	-	-	-	-	-	-	-	-	-	-
(103) MALIGNANT IMMUNOPROLIFERATIVE DISEASES	-	-	-	-	-	-	-	-	-	-	-	-
(104) MULTIPLE MYELOMA AND MALIGNANT PLASMA CELL NEOPLASMS	-	-	-	-	-	-	-	-	-	-	-	-
LEUKEMIA	-	-	-	-	1	-	-	1	-	-	-	-
(105) LYMPHOID LEUKEMIA	-	-	-	-	1	-	-	1	-	-	-	-
(106) MYELOID LEUKEMIA	-	-	-	-	-	-	-	-	-	-	-	-
(107) MONOCYTIC LEUKEMIA	-	-	-	-	-	-	-	-	-	-	-	-
(108) OTHER AND UNSPECIFIED LEUKEMIA	-	-	-	-	-	-	-	-	-	-	-	-
BENIGN NEOPLASMS	-	-	-	-	-	-	-	-	-	-	-	1
(112) OF EYE, BRAIN AND OTHER PARTS OF CENTRAL NERVOUS SYSTEM	-	-	-	-	-	-	-	-	-	-	-	-
(113) OF OTHER AND UNSPECIFIED SITES	-	-	-	-	-	-	-	-	-	-	-	1
(114) NEOPLASMS OF UNCERTAIN OR UNKNOWN BEHAVIOR OF SPECIFIED SITES	-	-	-	-	-	-	1	-	-	-	-	-
(115) NEOPLASM OF UNCERTAIN OR UNKNOWN BEHAVIOR OF UNSPECIFIED SITES	-	-	-	-	-	-	-	-	-	-	-	-
DISEASES OF THE BLOOD AND BLOOD FORMING ORGANS AND CERTAIN DISORDERS INVOLVING THE IMMUNE MECHANISM	-	-	-	-	-	-	-	1	-	-	1	-
ANEMIAS	-	-	-	-	-	-	-	-	-	-	-	-
(116) NUTRITIONAL ANEMIAS	-	-	-	-	-	-	-	-	-	-	-	-
(117) HEMOLYTIC ANEMIAS	-	-	-	-	-	-	-	-	-	-	-	-
(118) APLASTIC ANEMIAS	-	-	-	-	-	-	-	-	-	-	-	-
(119) ACUTE POSTHEMORRHAGIC AND OTHER ANEMIAS	-	-	-	-	-	-	-	-	-	-	-	-
(120) COAGULATION DEFECTS, PURPURA AND OTHER HEMORRHAGIC CONDITIONS	-	-	-	-	-	-	-	-	-	-	-	-
(121) OTHER DISEASES OF BLOOD AND BLOOD-FORMING ORGANS	-	-	-	-	-	-	-	1	-	-	-	-
(122) CERTAIN DISORDERS INVOLVING THE IMMUNE MECHANISM	-	-	-	-	-	-	-	-	-	-	1	-
ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES	-	-	2	-	2	-	-	1	1	2	-	1
ENDOCRINE DISEASES	-	-	-	-	-	-	-	1	-	2	-	1
(123) DISORDERS OF THYROID GLAND	-	-	-	-	-	-	-	-	-	-	-	-
(124) DIABETES MELLITUS	-	-	-	-	-	-	-	1	-	2	-	1
(126) DISORDERS OF ADRENAL GLANDS	-	-	-	-	-	-	-	-	-	-	-	-
NUTRITIONAL DISEASES	-	-	-	-	-	-	-	-	1	-	-	-
MALNUTRITION	-	-	-	-	-	-	-	-	-	-	-	-
(130) OTHER AND UNSPECIFIED MALNUTRITION	-	-	-	-	-	-	-	-	-	-	-	-
(132) OBESITY AND OTHER HYPERALIMENTATION	-	-	-	-	-	-	-	-	1	-	-	-
METABOLIC DISORDERS	-	-	2	-	2	-	-	-	-	-	-	-
(133) CYSTIC FIBROSIS	-	-	2	-	2	-	-	-	-	-	-	-
(134) VOLUME DEPLETION, DISORDERS OF FLUID, ELECTROLYTE AND ACID-BASE BALANCE	-	-	-	-	-	-	-	-	-	-	-	-
(135) OTHER METABOLIC DISORDERS	-	-	-	-	-	-	-	-	-	-	-	-
MENTAL AND BEHAVIORAL DISORDERS	1	1	-	-	-	-	-	-	2	-	1	-
(136) ORGANIC DEMENTIA	-	-	-	-	-	-	-	-	-	-	-	-
(137) OTHER AND UNSPECIFIED ORGANIC MENTAL DISORDERS	-	-	-	-	-	-	-	-	-	-	-	-
MENTAL AND BEHAVIORAL DISORDERS DUE TO PSYCHOACTIVE SUBSTANCE USE	-	-	-	-	-	-	-	-	2	-	-	-
(138) MENTAL AND BEHAVIORAL DISORDERS DUE TO USE OF ALCOHOL	-	-	-	-	-	-	-	-	2	-	-	-
(139) MENTAL AND BEHAVIORAL DISORDERS DUE TO OTHER PSYCHOACTIVE SUBSTANCE USE	-	-	-	-	-	-	-	-	-	-	-	-

* LIST OF 358 SELECTED UNDERLYING CAUSES OF DEATH. LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES SHOWN IN FIGURE 2.

TABLE D-1 (CONTINUED)

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2003

CAUSE OF DEATH*	15 - 17 YEARS		18 - 19 YEARS		20 - 24 YEARS		25 - 29 YEARS		30 - 34 YEARS		35 - 39 YEARS	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
__(141) MOOD (AFFECTIVE) DISORDERS	1	-	-	-	-	-	-	-	-	-	-	-
__(142) NEUROTIC, STRESS-RELATED AND SOMATOFORM DISORDERS	-	-	-	-	-	-	-	-	-	-	-	-
__(143) MENTAL RETARDATION	-	-	-	-	-	-	-	-	-	-	1	-
__(144) OTHER AND UNSPECIFIED MENTAL AND BEHAVIORAL DISORDERS	-	1	-	-	-	-	-	-	-	-	-	-
DISEASES OF THE NERVOUS SYSTEM	**1**	-	-	-	-	**1**	**1**	-	**1**	**1**	**1**	**1**
__(145) MENINGITIS	-	-	-	-	-	-	-	-	-	-	-	-
__(146) OTHER INFLAMMATORY DISEASES OF CENTRAL NERVOUS SYSTEM	-	-	-	-	-	-	-	-	-	-	1	-
__(147) PARKINSON'S DISEASE	-	-	-	-	-	-	-	-	-	-	-	-
__(148) ALZHEIMER'S DISEASE	-	-	-	-	-	-	-	-	-	-	-	-
__(149) MULTIPLE SCLEROSIS	-	-	-	-	-	-	-	-	-	1	-	-
__(150) EPILEPSY	-	-	-	-	-	-	-	-	1	-	-	-
__(152) INFANTILE CEREBRAL PALSY	-	-	-	-	-	1	-	-	-	-	-	-
__(153) ALL OTHER DISEASES OF NERVOUS SYSTEM	1	-	-	-	-	-	1	-	-	-	-	1
(154) DISEASES OF THE EYE AND ADNEXA	-	-	-	-	-	-	-	-	-	-	-	-
(155) DISEASES OF THE EAR AND MASTOID PROCESS	-	-	-	-	-	-	-	-	-	-	-	-
DISEASES OF THE CIRCULATORY SYSTEM	-	-	-	**1**	-	**1**	-	**2**	**2**	**3**	**9**	**1**
__ACUTE RHEUMATIC FEVER AND CHRONIC RHEUMATIC HEART DISEASE	-	-	-	-	-	-	-	-	-	-	-	-
____CHRONIC RHEUMATIC HEART DISEASES	-	-	-	-	-	-	-	-	-	-	-	-
_____157) RHEUMATIC MITRAL VALVE DISEASE	-	-	-	-	-	-	-	-	-	-	-	-
_____(158) RHEUMATIC AORTIC VALVE DISEASE	-	-	-	-	-	-	-	-	-	-	-	-
_____(159) DISORDERS OF BOTH MITRAL AND AORTIC VALVES	-	-	-	-	-	-	-	-	-	-	-	-
_____(160) OTHER CHRONIC RHEUMATIC HEART DISEASE	-	-	-	-	-	-	-	-	-	-	-	-
__HYPERTENSIVE DISEASES	-	-	-	-	-	-	-	-	-	-	-	-
____(161) ESSENTIAL (PRIMARY) HYPERTENSION	-	-	-	-	-	-	-	-	-	-	-	-
____(162) HYPERTENSIVE HEART DISEASE	-	-	-	-	-	-	-	-	-	-	-	-
____(163) HYPERTENSIVE RENAL DISEASE	-	-	-	-	-	-	-	-	-	-	-	-
____(164) HYPERTENSIVE HEART AND RENAL FAILURE	-	-	-	-	-	-	-	-	-	-	-	-
__ISCHEMIC HEART DISEASES	-	-	-	-	-	-	-	-	-	1	7	-
____(165) ACUTE MYOCARDIAL INFARCTION	-	-	-	-	-	-	-	-	-	1	3	-
____(166) OTHER ACUTE ISCHEMIC HEART DISEASES	-	-	-	-	-	-	-	-	-	-	-	-
____OTHER FORMS OF CHRONIC ISHCEMIC HEART DISEASE	-	-	-	-	-	-	-	-	-	-	4	-
_____(167(ATHEROSCLEROTIC CARDIOVASCULAR DISEASE, SO DESCRIBED	-	-	-	-	-	-	-	-	-	-	2	-
_____(168) ALL OTHER FORMS OF CHRONIC ISCHEMIC HEART DISEASE	-	-	-	-	-	-	-	-	-	-	2	-
__OTHER HEART DISEASES	-	-	-	1	-	1	-	-	2	2	2	1
____PULMONARY HEART DISEASE AND DISEASES OF PULMONARY CIRCULATION	-	-	-	-	-	-	-	-	-	1	-	-
_____(169) PULMONARY EMBOLISM	-	-	-	-	-	-	-	-	-	1	-	-
_____(170) OTHER PULMONARY HEART DISEASE AND DISEASES OF PULMONARY CIRCULATION	-	-	-	-	-	-	-	-	-	-	-	-
____OTHER NON-PULMONARY FORMS OF HEART DISEASE	-	-	-	1	-	1	-	-	2	1	2	1
_____(171) ACUTE AND SUBACUTE ENDOCARDITIS	-	-	-	-	-	-	-	-	-	1	-	-
_____(172) DISEASES OF PERICARDIUM AND ACUTE MYOCARDITIS	-	-	-	-	-	-	-	-	-	-	-	-
_____OTHER DISEASES OF ENDOCARDIUM	-	-	-	-	-	-	-	-	-	-	-	-
_____(173) NONRHEUMATIC MITRAL VALVE DISORDERS	-	-	-	-	-	-	-	-	-	-	-	-
_____(174) NONRHEUMATIC AORTIC VALVE DISORDERS	-	-	-	-	-	-	-	-	-	-	-	-
_____(175) ALL OTHER DISEASES OF ENDOCARDIUM	-	-	-	-	-	-	-	-	-	-	-	-
_____(176) CARDIOMYOPATHY	-	-	-	-	-	-	-	-	1	-	1	-
_____(177) CONDUCTION DISORDERS AND CARDIAC DYSRHYTHMIAS	-	-	-	1	-	1	-	-	1	-	1	1
_____HEART FAILURE	-	-	-	-	-	-	-	-	-	-	-	-
_____(178) CONGESTIVE HEART FAILURE	-	-	-	-	-	-	-	-	-	-	-	-
_____(179) OTHER AND UNSPECIFIED HEART FAILURE	-	-	-	-	-	-	-	-	-	-	-	-
_____(180) MYOCARDITIS, UNSPECIFIED AND MYOCARDIAL DEGENERATION	-	-	-	-	-	-	-	-	-	-	-	-
_____(181) ALL OTHER AND ILL-DEFINED FORMS OF HEART DISEASE	-	-	-	-	-	-	-	-	-	-	-	-
__CEREBROVASCULAR DISEASE	-	-	-	-	-	-	-	2	-	-	-	-
____(182) SUBARACHNOID HEMORRHAGE	-	-	-	-	-	-	-	-	-	-	-	-
____(183) INTRACEREBRAL AND OTHER INTRACRANIAL HEMORRHAGE	-	-	-	-	-	-	-	-	-	-	-	-
____(184) CEREBRAL INFARCTION	-	-	-	-	-	-	-	-	-	-	-	-
____(185) STROKE, NOT SPECIFIED AS HEMORRHAGE OR INFARCTION	-	-	-	-	-	-	-	1	-	-	-	-
____(186) OTHER CEREBROVASCULAR DISEASES AND THEIR SEQUELAE	-	-	-	-	-	-	-	1	-	-	-	-
__DISEASES OF ARTERIES, ARTERIOLES AND CAPILLARIES	-	-	-	-	-	-	-	-	-	-	-	-
____(187) ATHEROSCLEROSIS	-	-	-	-	-	-	-	-	-	-	-	-
____(188) AORTIC ANEURYSM AND DISSECTION	-	-	-	-	-	-	-	-	-	-	-	-

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TABLE D-1 (CONTINUED)

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2003

CAUSE OF DEATH*	15 - 17 YEARS		18 - 19 YEARS		20 - 24 YEARS		25 - 29 YEARS		30 - 34 YEARS		35 - 39 YEARS	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
(189) OTHER DISEASES OF ARTERIES, ARTERIOLES AND CAPILLARIES	-	-	-	-	-	-	-	-	-	-	-	-
OTHER DISORDERS OF CIRCULATORY SYSTEM	-	-	-	-	-	-	-	-	-	-	-	-
(190) PHLEBITIS, THROMBOPHLEBITIS, VENOUS EMBOLISM AND THROMBOSIS	-	-	-	-	-	-	-	-	-	-	-	-
(191) ALL OTHER AND UNSPECIFIED DISORDERS OF CIRCULATORY SYSTEM	-	-	-	-	-	-	-	-	-	-	-	-
DISEASES OF THE RESPIRATORY SYSTEM	-	1	-	-	-	-	1	-	1	-	3	-
OTHER DISEASES OF THE RESPIRATORY SYSTEM	-	1	-	-	-	-	1	-	1	-	3	-
(195) INFLUENZA	-	-	-	-	-	-	-	-	-	-	-	-
PNEUMONIA	-	1	-	-	-	-	-	-	-	-	-	-
(196) VIRAL PNEUMONIA, NOT ELSEWHERE CLASSIFIED	-	-	-	-	-	-	-	-	-	-	-	-
(197) BACTERIAL PNEUMONIA	-	-	-	-	-	-	-	-	-	-	-	-
(198) PNEUMONIA DUE TO OTHER OR UNSPECIFIED ORGANISMS	-	1	-	-	-	-	-	-	-	-	-	-
OTHER ACUTE LOWE RESPIRATORY INFECTIONS	-	-	-	-	-	-	-	-	-	-	-	-
(2000 UNSPECIFIED ACUTE LOWER RESPIRATORY INFECTION	-	-	-	-	-	-	-	-	-	-	-	-
(201) OTHER DISEASES OF UPPER RESPIRATORY TRACT	-	-	-	-	-	-	-	-	-	-	-	-
CHRONIC LOWER RESPIRATORY DISEASE	-	-	-	-	-	-	-	-	1	-	2	-
BRONCHITIS, CHRONIC AND UNSPECIFIED, EMPHYSEMA AND ASTHMA	-	-	-	-	-	-	-	-	1	-	2	-
(202) BRONCHITIS, NOT SPECIFIED AS ACUTE OR CHRONIC	-	-	-	-	-	-	-	-	-	-	-	-
(203) CHRONIC BRONCHITIS	-	-	-	-	-	-	-	-	-	-	-	-
(204) EMPHYSEMA	-	-	-	-	-	-	-	-	-	-	-	-
(205) OTHER CHRONIC OBSTRUCTIVE PULMONARY DISEASE	-	-	-	-	-	-	-	-	-	-	1	-
(206) ASTHMA	-	-	-	-	-	-	-	-	1	-	1	-
(207) BRONCHIECTASIS	-	-	-	-	-	-	-	-	-	-	-	-
LUNG DISEASES DUE TO EXTERNAL AGENTS	-	-	-	-	-	-	-	-	-	-	-	-
(208) PNEUMONCONIOSES AND CHEMICAL EFFECTS	-	-	-	-	-	-	-	-	-	-	-	-
PNEUMONITIS DUE TO SOLIDS AND LIQUIDS	-	-	-	-	-	-	-	-	-	-	-	-
(209) PNEUMONITIS DUE TO FOOD AND VOMIT	-	-	-	-	-	-	-	-	-	-	-	-
(212) SUPPURATIVE AND NECROTIC CONDITIONS OF LOWER RESPIRATORY TRACT	-	-	-	-	-	-	-	-	-	-	-	-
(213) PLEURAL EFFUSION AND PLAQUE	-	-	-	-	-	-	-	-	-	-	-	-
(214) ALL OTHER DISEASES OF RESPIRATORY SYSTEM	-	-	-	-	-	-	1	-	-	-	1	-
DISEASES OF THE DIGESTIVE SYSTEM	-	-	-	-	-	-	2	-	-	3	2	5
OISEASES OF OTHER PARTS OF DIGESTIVE SYSTEM	-	-	-	-	-	-	2	-	-	3	2	5
(216) DISEASES OF ESOPHAGUS	-	-	-	-	-	-	-	-	-	-	-	-
PEPTIC ULCER	-	-	-	-	-	-	-	-	-	-	-	-
(217) GASTRIC ULCER	-	-	-	-	-	-	-	-	-	-	-	-
(218) DUODENAL ULCER	-	-	-	-	-	-	-	-	-	-	-	-
(219) PEPTIC ULCER, SITE UNSPECIFIED	-	-	-	-	-	-	-	-	-	-	-	-
(221) GASTRITIS AND DUODENITIS	-	-	-	-	-	-	-	-	-	-	-	-
(222) DYSPEPSIA AND OTHER DISEASES OF STOMACH AND DUODENUM	-	-	-	-	-	-	-	-	-	-	-	-
(223) DISEASES OF APPENDIX	-	-	-	-	-	-	-	-	-	-	-	-
(224) HENIA	-	-	-	-	-	-	-	-	-	-	-	-
(225) CROHN'S DISEASE AND ULCERATIVE COLITIS	-	-	-	-	-	-	-	-	-	-	-	-
(226) VASCULAR DISORDERS AND OBSTRUCTION OF INTESTINE WITHOUT HERNIA	-	-	-	-	-	-	1	-	-	-	-	-
(227) DIVERTICULAR DISEASE OF INTESTINE	-	-	-	-	-	-	-	-	-	-	-	-
(228) OTHER DISEASES OF INTESTINES AND PERITONEUM	-	-	-	-	-	-	-	-	-	-	-	-
(229) DISEASES OF PERITONEUM	-	-	-	-	-	-	-	-	-	-	-	-
DISEASES OF LIVER	-	-	-	-	-	-	1	-	-	3	2	5
(230) ALCHOLIC LIVER DISEASE	-	-	-	-	-	-	-	-	-	2	2	3
(232) FIBROSIS AND CIRRHOSIS OF LIVER	-	-	-	-	-	-	1	-	-	1	-	1
(233) OTHER DISEASES OF LIVER	-	-	-	-	-	-	-	-	-	-	-	1
(234) CHOLELITHIASIS AND OTHER DISORDERS OF GALLBLADDER	-	-	-	-	-	-	-	-	-	-	-	-
DISORDERS OF BILIARY TRACT AND PANCREAS	-	-	-	-	-	-	-	-	-	-	-	-
(235) PANCREATITIS	-	-	-	-	-	-	-	-	-	-	-	-
(236) OTHER DISORDERS OF BILIARY TRACT AND PANCREAS	-	-	-	-	-	-	-	-	-	-	-	-
(237) ALL OTHER DISEASES OF DIGESTIVE SYSTEM	-	-	-	-	-	-	-	-	-	-	-	-
DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE	-	-	-	-	-	-	-	-	-	-	-	-
(238) INFECTIONS OF SKIN AND SUBCUTANEOUS TISSUE	-	-	-	-	-	-	-	-	-	-	-	-
(239) OTHER AND UNSPECIFIED DISEASES OF SKIN AND SUBCUTANEOUS TISSUE	-	-	-	-	-	-	-	-	-	-	-	-
DISEASES OF THE MUSCUOLSKELETAL SYSTEM AND CONNECTIVE TISSUE	-	-	-	-	-	-	-	-	-	-	-	-
(240) RHEUMATOID ARTHRITIS AND RELATED INFLAMMATORY POLYARTHROPATHIES	-	-	-	-	-	-	-	-	-	-	-	-
(241) SYSTEMIC LUPUS ERYTHEMATOSUS	-	-	-	-	-	-	-	-	-	-	-	-

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TABLE D-1 (CONTINUED)

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MONTANA RESIDENTS, 2003

CAUSE OF DEATH*	15 - 17 YEARS		18 - 19 YEARS		20 - 24 YEARS		25 - 29 YEARS		30 - 34 YEARS		35 - 39 YEARS	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
__(242) OTHER ARTHROPATHIES AND RELATED DISORDERS	-	-	-	-	-	-	-	-	-	-	-	-
__(243) DORSOPATHIES	-	-	-	-	-	-	-	-	-	-	-	-
__(244) SOFT TISSUE DISORDERS	-	-	-	-	-	-	-	-	-	-	-	-
__OSTEOPATHIES, CHRONDROPATHIES AND OTHER DISORDERS OF MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE	-	-	-	-	-	-	-	-	-	-	-	-
____(245) OSTEOPOROSIS	-	-	-	-	-	-	-	-	-	-	-	-
DISEASES OF THE GENITOURINARY SYSTEM	-	**1**	-	-	-	-	-	-	-	-	-	-
__DISEASES OF URINARY SYSTEM	-	1	-	-	-	-	-	-	-	-	-	-
____GLOMERULAR AND RENAL TUBULO-INTERSTITIAL DISEASES	-	-	-	-	-	-	-	-	-	-	-	-
_____GLOMERULAR DISEASES	-	-	-	-	-	-	-	-	-	-	-	-
_____(248) NEPHROTIC SYNDROME	-	-	-	-	-	-	-	-	-	-	-	-
_____(250) RENAL TUBULO-INTERSTITIAL DISEASES	-	-	-	-	-	-	-	-	-	-	-	-
____(251) RENAL FAILURE	-	-	-	-	-	-	-	-	-	-	-	-
____(252) UROLITHIASIS	-	-	-	-	-	-	-	-	-	-	-	-
____(254) URINARY TRACT INFECTIONS, SITE NOT SPECIFED	-	-	-	-	-	-	-	-	-	-	-	-
____(255) OTHER DISEASES OF URINARY TRACT	-	1	-	-	-	-	-	-	-	-	-	-
__DISEASES OF MALE GENITAL ORGANS	-	-	-	-	-	-	-	-	-	-	-	-
____(256) HYPERPLASIA OF PROSTATE	-	-	-	-	-	-	-	-	-	-	-	-
____(257) OTHER DISEASES OF MALE GENITAL ORGANS	-	-	-	-	-	-	-	-	-	-	-	-
__DISORDERS OF FEMALE GENITAL ORGANS	-	-	-	-	-	-	-	-	-	-	-	-
____(260) NONINFLAMMATORY DISORDERS OF FEMALE GENITAL TRACT	-	-	-	-	-	-	-	-	-	-	-	-
__(272) OTHER DEATHS RELATED TO PREGNANCY, CHILDBIRTH AND THE PUERPERIUM	-	-	-	-	-	1	-	-	-	1	-	-
__(273) INDIRECT OBSTETRIC DEATHS	-	-	-	-	-	-	-	1	-	1	-	-
CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	-	-	-	-	-	-	-	-	-	-	-	-
__(274) NEWBORN AFFECTED BY MATERNAL FACTORS AND BY COMPLICATIONS OF PREGNANCY, LABOR AND DELIVERY	-	-	-	-	-	-	-	-	-	-	-	-
__(275) DISORDERS RELATED TO SHORT GESTATION AND LOW BIRTH WEIGHT, NOT ELSEWHERE CLASSIFIED	-	-	-	-	-	-	-	-	-	-	-	-
__(276) BIRTH TRAUMA	-	-	-	-	-	-	-	-	-	-	-	-
__(278) RESPIRATORY DISTRESS OF NEWBORN	-	-	-	-	-	-	-	-	-	-	-	-
__(278) OTHER RESPIRATORY CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	-	-	-	-	-	-	-	-	-	-	-	-
__(280) INFECTIONS SPECIFIC TO THE PERINATAL PERIOD	-	-	-	-	-	-	-	-	-	-	-	-
__(281) OTHER AND UNSPECIFIED CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	-	-	-	-	-	-	-	-	-	-	-	-
CONGENITAL MALFORMATIONS, DEFORMATIONS AND CHROMOSOMAL ABNORMALITIES	-	-	1	-	2	-	-	-	-	-	-	-
__(284) ALL OTHER CONGENITAL MALFORMATIONS OF NERVOUS SYSTEM	-	-	1	-	1	-	-	-	-	-	-	-
__(285(CONGENITAL MALFORMATIONS OF HEART	-	-	-	-	-	-	-	-	-	-	-	-
__(286) OTHER CONGENITAL MALFORMATIONS OR CIRCULATORY SYSTEM	-	-	-	-	-	-	-	-	-	-	-	-
__(288) OTHER CONGEITAL MALFORMATIONS AND DEFORMATIONS	-	-	-	-	1	-	-	-	-	-	-	-
__(289) DOWN'S SYNDROME	-	-	-	-	-	-	-	-	-	-	-	-
__(290) ALL OTHER CHROMOSOMAL ABNORMALITIES, NOT ELSEWHERE CLASSIFIED	-	-	-	-	-	-	-	-	-	-	-	-
SYMPTOMS, SIGNS AND ABNORMAL CLINICAL AND LABORATORY FINDINGS, NOT ELSEWHERE CLASSIFIED	-	-	-	-	-	-	**1**	-	**1**	**1**	**3**	-
__(291) SENILITY	-	-	-	-	-	-	-	-	-	-	-	-
__ILL-DEFINED AND UNKNOWN CAUSE OR MORTALITY	-	-	-	-	-	-	1	-	1	-	3	-
____(292) SUDDEN INFANT DEATH SYNDROME	-	-	-	-	-	-	-	-	-	-	-	-
____(293) OTHER ILL-DEFINED AND UNKNOWN CAUSES OF MORTALITY	-	-	-	-	-	-	1	-	1	-	3	-
__(294) ALL OTHER SYMPTOMS, SIGNS AND ABNORMAL CLINICAL AND LABORATORY FINDINGS, NOT ELSEWHERE CLASSIFIED	-	-	-	-	-	-	-	-	-	1	-	-
EXTERNAL CAUSES OF MORTALITY	**21**	**12**	**19**	**11**	**50**	**13**	**37**	**20**	**37**	**14**	**35**	**15**
__ACCIDENTS	16	10	12	10	34	8	22	10	20	8	15	11
____TRANSPORT ACCIDENTS	12	10	7	7	27	8	17	7	10	3	9	5
_____(295) RAILWAY ACCIDENTS	-	-	-	-	1	-	-	-	-	-	1	-
_____MOTOR VEHICLE ACCIDENTS	12	9	7	6	25	8	17	7	9	3	8	5
(296) PEDESTRIAN COLLISION WITH MOTOR VEHICLE	-	-	-	-	-	1	-	1	-	-	-	-
_____(297) PEDALCYCLIST COLLISION WITH MOTOR VEHICLE	1	-	-	-	-	-	-	-	-	-	-	-
_____(298) MOTORCYCLIST ANY ACCIDENT EXCEPT COLLISION WITH RAILWY CAR	-	-	-	-	1	-	1	-	1	-	1	-
MOTOR VEHICLE ACCIDENT WITH RAILWAY TRAIN	-	-	-	-	-	-	-	-	-	-	-	-
___(300) OTHER MOTOR VEHICLE COLLISION WITH RAILWAY TRAIN	-	-	-	-	-	-	-	-	-	-	-	-
_____(301) MOTOR VEHICLE COLLISION WITH OTHER (NON-MOTORIZED) ROAD VEHICLE, STREETCAR, ANIMAL OR PEDESTRIN	1	3	4	1	5	1	5	1	2	1	-	-
_____(302) CAR, PICKUP TRUCK OR VAN COLLISION WITH OTHER MOTOR VEHICLE	4	1	-	3	5	2	4	3	3	-	1	1
_____(303) HEAVY TRANSPORT VEHICLE OR BUS COLLISION WITH OTHER MOTOR VEHICLE	-	-	-	-	-	-	-	-	-	-	-	-
_____(304) MOTOR VEHICLE NONCOLLISION ACCIDENT	4	4	3	2	10	4	6	2	2	2	4	4
_____(305) SPECIAL-USE MOTOR VEHICLE ANY ACCIDENT	-	1	-	-	1	-	-	-	-	-	1	-
_____(306) OTHER AND UNSPECIFIED MOTOR VEHICLE ACCIDENTS	2	-	-	-	3	-	1	-	1	-	1	-
____(308) OTHER AND UNSPECIFIED LAND TRANSPORT ACCIDENTS	-	-	-	1	-	-	-	-	-	-	-	-

* LIST OF 358 SELECTED UNDERLYING CAUSES OF DEATH. LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES SHOWN IN FIGURE 2.

TABLE D-1 (CONTINUED)

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2003

CAUSE OF DEATH*	15 - 17 YEARS		18 - 19 YEARS		20 - 24 YEARS		25 - 29 YEARS		30 - 34 YEARS		35 - 39 YEARS	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
(309) WATER TRANSPORT ACCIDENTS	-	1	-	-	-	-	-	-	-	-	-	-
(310) AIR AND SPACE TRANSPORT ACCIDENTS	-	-	-	-	-	-	-	-	1	-	-	-
(311) OTHER AND UNSPECIFIED TRANSPORT ACCIDENTS AND THEIR SEQUELAE	-	-	-	-	1	-	-	-	-	-	-	-
FALLS	-	-	1	1	2	-	-	1	-	-	-	-
(312) FALL ON SAME LEVEL	-	-	-	-	1	-	-	-	-	-	-	-
(313) FALL FROM ONE LEVEL TO ANOTHER	-	-	1	-	1	-	-	1	-	-	-	-
(314) UNSPECIFIED FALL	-	-	-	1	-	-	-	-	-	-	-	-
(315) ACCIDENTAL DISCHARGE OF FIREARMS	-	-	-	-	1	-	-	-	-	-	1	-
(317) ACCIDENTAL DROWNING AND SUBMERSION	3	-	1	-	1	-	-	-	-	-	2	-
(318) ACCIDENTAL INHALATION AND INGESTION OF FOOD OR OTHER OBJECTS CAUSING OBSTRUCTION OF RESPIRATORY TRACT	-	-	-	-	-	-	-	-	-	-	-	-
(319) OTHER ACCIDENTAL AND UNSPECIFIED THREATS TO BREATHING	-	-	1	-	-	-	2	1	2	-	-	-
(320) ACCIDENTAL EXPOSURE TO ELECTRIC CURRENT	-	-	-	-	-	-	-	-	-	-	-	-
(322) ACCIDENTAL EXPOSURE TO SMOKE, FIRE AND FLAMES	-	-	-	-	-	-	-	-	1	-	-	-
(323) ACCIDENTAL CONTACT WITH HEAR AND HOT SUBSTANCES	-	-	-	-	-	-	-	-	-	-	-	-
(325) EARTHQUAKE, VOLCANIC ERUPTION, AVALANCHE, LANDSLIDE AND OTHER EARTH MOVEMENTS	-	-	-	-	1	-	-	-	1	-	-	-
ACCIDENTAL POISONING AND EXPOSURE TO NOXIOUS SUBSTANCES	-	-	-	1	1	-	-	-	6	5	2	6
(327) BY AND EXPOSURE TO DRUGS AND OTHER BIOLOGICAL SUBSTANCES	-	-	-	1	-	-	-	-	6	5	2	5
(328) BY AND EXPOSURE TO OTHER AND UNSPECIFIED SOLID OR LIQUID SUBSTANCES	-	-	-	-	1	-	-	-	-	-	-	1
(329) BY AND EXPOSURE TO OTHER GASES AND VAPORS	-	-	-	-	-	-	-	-	-	-	-	-
(330) ALL OTHER AND UNSPECIFIED ACCIDENTS AND THEIR SEQUELAE	1	-	2	1	1	-	3	1	-	-	1	-
INTENTIONAL SELF-HARM AND SELF-POISONING (SUICIDE)	2	2	7	1	13	2	11	5	14	2	13	3
(331) POISONING BY AND EXPOSURE TO DRUGS AND OTHER BIOLOGICAL SUBSTANCES	-	-	-	-	1	1	-	1	-	2	1	2
(332) POISONING BY AND EXPOSURE TO OTHER AND UNSPECIFIED SOLID OR LIQUID SUBSTANCES AND THEIR VAPORS	-	-	-	-	-	-	-	-	-	-	-	-
(333) POISONING BY AND EXPOSURE TO GASES AND VAPORS	-	-	-	-	-	-	-	1	1	-	-	-
(334) BY HANGING, STRANGULATION AND SUFFOCATION	2	-	2	-	2	1	3	1	5	-	4	-
(335) BY DISCHARGE OF FIREARMS	-	2	5	1	10	-	8	2	8	-	8	1
(337) BY ALL OTHER AND UNSPECIFIED MEANS AND THEIR SEQUELAE	-	-	-	-	-	-	-	-	-	-	-	-
ASSAULT (HOMICIDE)	3	-	-	-	3	1	4	3	1	3	2	1
(338) BY DRUGS, BIOLOGICAL SUBSTANCES AND OTHER AND UNSPECIFIED NOXIOUS SUBSTANCES	-	-	-	-	-	-	-	-	-	-	-	-
(339) BY HANGING, STRANGULATION AND SUFFOCATION	-	-	-	-	-	-	-	2	-	-	-	-
(340) BY DISCHARGE OF FIREARMS	2	-	-	-	1	-	4	-	1	3	-	1
(341) BY SHARP OBJECT	1	-	-	-	1	-	-	-	-	-	1	-
(342) BY BLUNT OBJECT	-	-	-	-	-	1	-	1	-	-	-	-
(343) BY BODILY FORCE	-	-	-	-	-	-	-	-	-	-	-	-
(346) ASSAULT (HOMICIDE) BY ALL OTHER AND UNSPECIFIED MEANS AND THEIR SEQUELAE	-	-	-	-	1	-	-	-	-	-	1	-
EVENT OF UNDETERMINED INTENT	-	-	-	-	-	2	-	2	2	1	5	-
(347) POISONING BY AND EXPOSURE TO DRUGS AND BIOLOGICAL SUBSTANCES, UNDTERMINED INTENT	-	-	-	-	-	1	-	2	2	1	5	-
(348) POISONING BY AND EXPOSURE TO OTHER AND UNSPECIFIED SOLID OR LIQUID SUBSTANCES	-	-	-	-	-	-	-	-	-	-	-	-
(352) ALL OTHER AND UNSPECIFIED EVENTS OF UNDETERMINED INTENT AND THEIR SEQUELAE	-	-	-	-	-	1	-	-	-	-	-	-
COMPLICATIONS OF MEDICAL AND SURGICAL CARE	-	-	-	-	-	-	-	-	-	-	-	-
(356)DRUGS, MEDICAMENTS AND BIOLOGICAL SUBSTANCES CAUSING ADVERSE EFFECTS IN THERAPEUTIC USE, AND THEIR SEQUELAE	-	-	-	-	-	-	-	-	-	-	-	-
(358) OTHER COMPLICATIONS OF MEDICAL AND SURGICAL CARE AND THEIR SEQUELAE	-	-	-	-	-	-	-	-	-	-	-	-

*** LIST OF 358 SELECTED UNDERLYING CAUSES OF DEATH. LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES SHOWN IN FIGURE 2.**

TABLE D-1 (CONTINUED)

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2003

CAUSE OF DEATH*	40-44 YEARS		45 - 49 YEARS		50 - 54 YEARS		55 - 59 YEARS		60 - 64 YEARS		65 - 69 YEARS	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
ALL CAUSES	**119**	**64**	**161**	**79**	**209**	**115**	**259**	**131**	**269**	**175**	**364**	**249**
CERTAIN INFECTIOUS AND PARASITIC DISEASES	**5**	**1**	**5**	**1**	**9**	**3**	**5**	**4**	**2**	**5**	**6**	**4**
__INTESTINAL INFECTIOUS DISEASES	-	-	-	-	1	-	-	-	-	-	-	-
___OTHER INTESTINAL INFECTIOUS DISEASES	-	-	-	-	1	-	-	-	-	-	-	-
_____(5) OTHER BACTERIAL FOOD-BORNE INTOXICATIONS	-	-	-	-	1	-	-	-	-	-	-	-
_____(7) INTESTINAL INFECTIONS DUE TO OTHER SPECIFIED ORGANISMS	-	-	-	-	-	-	-	-	-	-	-	-
__TUBERCULOSIS	-	-	-	-	1	-	-	-	-	-	-	-
___(9) RESPIRATORY	-	-	-	-	1	-	-	-	-	-	-	-
__ZOONOTIC AND OTHER BACTERIAL DISEASES	2	1	2	1	1	1	1	3	1	3	3	4
___(18) SEPTICEMIA	1	1	2	1	1	1	1	3	1	1	3	3
___(19) OTHER ZOONOTIC AND BACTERIAL DISEASES	1	-	-	-	-	-	-	-	-	2	-	1
__VIRAL DISEASES	2	-	2	-	3	2	4	-	1	2	2	-
___(32) OTHER AND UNSPECIFIED ARTHROPOD-BORNE VIRAL AND HEMORRHAGIC FEVERS	-	-	-	-	-	-	-	-	-	-	1	-
___(33) HERPESVIRAL (HERPES SIMPLEX) INFECTIONS	-	-	-	-	-	-	-	-	-	-	-	-
___(38) VIRAL HEPATITIS	1	-	1	-	3	1	3	-	-	1	1	-
___HUMAN IMMUNODEFICIENCY VIRUS (HIV) DISEASE	1	-	1	-	-	-	-	-	1	-	-	-
___(39) RESULTING IN INFECTIOUS AND PARASITIC DISEASE	1	-	-	-	-	-	-	-	1	-	-	-
___(40) RESULTING IN MALIGNANT NEOPLASMS	-	-	1	-	-	-	-	-	-	-	-	-
___(43) UNSPECIFIED HUMAN IMMUNODEFICIENCY VIRUS (HIV) DISEASE	-	-	-	-	-	-	-	-	-	-	-	-
___(44) ALL OTHER AND UNSPECIFIED VIRAL DISEASES	-	-	-	-	-	1	1	-	-	1	-	-
__OTHER AND UNSPECIFIED INFECTIONS AND PARASITIC DISEASES AND THEIR SEQUELAE	1	-	1	-	3	-	-	1	-	-	1	-
___(48) MYCOSES	-	-	-	-	-	-	-	-	-	-	-	-
___PROTOZOAL DISEASES	-	-	-	-	-	-	-	-	-	-	1	-
___(49) PNEUMOCYSTOSIS	-	-	-	-	-	-	-	-	-	-	1	-
___(54) SEQUELAE OF POLIOMYELITIS	-	-	-	-	-	-	-	-	-	-	-	-
___(55) ALL OTHER AND UNSPECIFIED INFECTIONS AND PARASITIC DISEASES AND THEIR SEQUELAE	1	-	1	-	3	-	-	1	-	-	-	-
NEOPLASMS	**15**	**10**	**20**	**25**	**40**	**50**	**70**	**56**	**96**	**58**	**105**	**87**
__MALIGNANT NEOPLASMS	15	10	20	25	40	49	68	54	93	57	104	87
___MALIGNANT NEOPLASMS OF LIP, ORAL CAVITY AND PHARYNX	-	-	-	-	2	-	3	1	2	-	2	1
_____(57) OF TONGUE	-	-	-	-	1	-	1	-	-	-	1	-
_____(58) OF PHARYNX	-	-	-	-	1	-	1	1	2	-	1	1
_____(56) OF OTHER AND UNSPECIFIED SITES WITHIN THE LIP, ORAL CAVITY AND PHARYNX	-	-	-	-	-	-	1	-	-	-	-	-
___MALIGNANT NEOPLASMS OF DIGESTIVE ORGANS	6	2	3	4	13	4	18	12	18	11	22	12
_____(60) OF ESOPHAGUS	-	1	-	-	2	-	4	1	5	1	3	-
_____(61) OF STOMACH	1	1	-	3	-	-	2	3	1	1	3	3
_____(62) OF SMALL INTESTINE	-	-	-	-	-	-	-	-	-	-	-	-
_____OF COLON, RECTUM AND ANUS	3	-	1	-	3	4	7	5	6	5	4	3
_____(63) COLON	3	-	-	-	3	3	6	5	3	4	2	3
_____(64) RECTOSIGMOID JUNCTION AND RECTUM	-	-	1	-	-	1	1	-	3	1	2	-
_____OF LIVER AND INTRAHEPATIC BILE DUCTS	-	-	-	-	5	-	3	-	2	1	3	1
_____(66) LIVER	-	-	-	-	4	-	3	-	2	-	2	1
_____(67) INTRAHEPATIC BILE DUCT CARCINOMA	-	-	-	-	1	-	-	-	-	1	1	-
_____(68) OF GALLBLADDER AND EXTRAHEPATIC BILE DUCTS	-	-	-	-	-	-	-	-	-	-	-	1
_____(69) OF PANCREAS	2	-	2	1	3	-	2	3	4	3	8	3
_____(70) OF OTHER AND ILL-DEFINED DIGESTIVE ORGANS	-	-	-	-	-	-	-	-	-	-	1	1
___MALIGNANT NEOPLASMS OF RESPIRATORY AND INTRATHORACIC ORGANS	1	3	7	2	13	7	23	18	37	19	40	32
_____(71) OF NASAL CAVITY, MIDDLE EAR AND ACCESSORY SINUSES	-	-	-	-	-	-	-	-	-	-	-	-
_____(72) OF LARYNX	-	-	-	-	-	-	-	-	2	-	1	2
_____(73) OF TRACHEA, BRONCHUS AND LUNG	1	3	7	2	13	7	22	18	34	19	39	30
_____(74) OF THYMUS, HEART, MEDIASTINUM AND PLEURA	-	-	-	-	-	-	1	-	1	-	-	-
___(76) MALIGNANT NEOPLASMS OF BONE AND ARTICULAR CARTILAGE	-	-	-	-	-	-	-	-	-	-	-	-
___MELANOMA AND OTHER MALIGNANT NEOPLASMS OF SKIN	1	-	3	1	2	1	2	1	2	1	2	2
_____(77) MALIGNANT MELANOMA OF SKIN	1	-	2	1	1	-	2	1	2	1	2	2
_____(78) OTHER MALIGNANT NEOPLASMS OF SKIN	-	-	1	-	1	1	-	-	-	-	-	-
___MALIGNANT NEOPLASMS OF MESOTHELIAL AND SOFT TISSUE	-	-	-	-	-	-	-	3	1	-	3	1
_____(76) MESOTHELIOMA	-	-	-	-	-	-	-	-	1	-	2	1
_____(81) OF OTHER MESOTHELIAL AND SOFT TISSUE	-	-	-	-	-	-	-	3	-	-	1	-
___(82) MALIGNANT NEOPLASM OF BREAST	-	1	-	7	-	15	-	9	-	7	-	12
___MALIGNANT NEOPLASMS OF FEMALE GENITAL ORGANS	-	-	-	3	-	8	-	5	-	3	-	8
___(83) OF VULVA AND VAGINA	-	-	-	-	-	-	-	-	-	-	-	-

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TABLE D-1 (CONTINUED)

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MONTANA RESIDENTS, 2003

CAUSE OF DEATH*	40-44 YEARS		45 - 49 YEARS		50 - 54 YEARS		55 - 59 YEARS		60 - 64 YEARS		65 - 69 YEARS	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
(84) OF CERVIX UTERI	-	-	-	1	-	1	-	1	-	-	-	1
(85) OF CORPUS UTERI AND UTERUS, PART UNSPECIFIED	-	-	-	1	-	2	-	-	-	1	-	2
(86) OF OVARY	-	-	-	1	-	5	-	4	-	2	-	4
(87) OF OTHER AND UNSPECIFIED FEMALE GENITAL ORGANS	-	-	-	-	-	-	-	-	-	-	-	1
MALIGNANT NEOPLASMS OF MALE GENITAL ORGANS	-	-	1	-	1	-	4	-	5	-	11	-
(89) OF PROSTATE	-	-	1	-	1	-	3	-	5	-	11	-
(90) OF TESTIS	-	-	-	-	-	-	1	-	-	-	-	-
(91) OF PENIS AND OTHER AND UNSPECIFIED MALE GENITAL ORGANS	-	-	-	-	-	-	-	-	-	-	-	-
MALIGNANT NEOPLASMS OF URINARY TRACT	1	-	1	-	2	1	6	-	10	2	5	-
(92) OF KIDNEY AND RENAL PELVIS	1	-	1	-	1	1	2	-	5	1	2	-
(93) OF BLADDER	-	-	-	-	1	-	4	-	5	1	3	-
(94) OF OTHER AND UNSPECIFIED SITES WITHIN THE URINARY TRACT	-	-	-	-	-	-	-	-	-	-	-	-
MALIGNANT NEOPLASMS OF MENINGES, BRAIN AND OTHER PARTS OF CENTRAL NERVOUS SYSTEM	3	2	1	1	3	3	4	2	2	4	3	3
(96) OF BRAIN	3	2	1	1	3	3	4	2	2	4	3	3
(98) MALIGNANT NEOPLASMS OF THYROID AND OTHER ENDOCRINE GLANDS	-	-	1	-	-	-	-	-	-	-	1	-
(99) OTHER MALIGNANT NEOPLASMS OF OTHER AND UNSPECIFIED SITES	3	1	2	4	1	5	4	2	6	4	6	5
MALIGNANT NEOPLASMS OF LYMPHOID, HEMATOPOIETIC AND RELATED TISSUE	-	1	1	3	3	5	4	1	10	6	9	11
(100) HODGKIN'S DISEASE	-	-	-	1	-	-	-	-	-	-	-	1
OF OTHER LYMPHOID, HEMATOPOIETIC AND RELATED TISSUE	-	1	1	2	2	2	1	1	1	3	2	4
(101) NON-HODGKIN'S LYMPHOMA	-	1	1	2	2	2	1	1	1	3	2	4
(103) MALIGNANT IMMUNOPROLIFERATIVE DISEASES	-	-	-	-	-	-	-	-	-	-	-	-
(104) MULTIPLE MYELOMA AND MALIGNANT PLASMA CELL NEOPLASMS	-	-	-	-	1	1	2	-	5	-	2	3
LEUKEMIA	-	-	-	-	-	2	1	-	4	3	5	3
(105) LYMPHOID LEUKEMIA	-	-	-	-	-	-	1	-	-	-	1	-
(106) MYELOID LEUKEMIA	-	-	-	-	-	2	-	-	3	2	3	2
(107) MONOCYTIC LEUKEMIA	-	-	-	-	-	-	-	-	-	1	-	-
(108) OTHER AND UNSPECIFIED LEUKEMIA	-	-	-	-	-	-	-	-	1	-	1	1
BENIGN NEOPLASMS	-	-	-	-	-	-	-	-	-	-	-	-
(112) OF EYE, BRAIN AND OTHER PARTS OF CENTRAL NERVOUS SYSTEM	-	-	-	-	-	-	-	-	-	-	-	-
(113) OF OTHER AND UNSPECIFIED SITES	-	-	-	-	-	-	-	-	-	-	-	-
(114) NEOPLASMS OF UNCERTAIN OR UNKNOWN BEHAVIOR OF SPECIFIED SITES	-	-	-	-	-	1	1	2	3	1	1	-
(115) NEOPLASM OF UNCERTAIN OR UNKNOWN BEHAVIOR OF UNSPECIFIED SITES	-	-	-	-	-	-	1	-	-	-	-	-
DISEASES OF THE BLOOD AND BLOOD FORMING ORGANS AND CERTAIN DISORDERS INVOLVING THE IMMUNE MECHANISM	**1**	**1**	**1**	-	-	-	-	-	**1**	-	**1**	**2**
ANEMIAS	1	1	-	-	-	-	-	-	-	-	-	1
(116) NUTRITIONAL ANEMIAS	-	-	-	-	-	-	-	-	-	-	-	-
(117) HEMOLYTIC ANEMIAS	1	-	-	-	-	-	-	-	-	-	-	-
(118) APLASTIC ANEMIAS	-	1	-	-	-	-	-	-	-	-	-	1
(119) ACUTE POSTHEMORRHAGIC AND OTHER ANEMIAS	-	-	-	-	-	-	-	-	-	-	-	-
(120) COAGULATION DEFECTS, PURPURA AND OTHER HEMORRHAGIC CONDITIONS	-	-	1	-	-	-	-	-	1	-	-	-
(121) OTHER DISEASES OF BLOOD AND BLOOD-FORMING ORGANS	-	-	-	-	-	-	-	-	-	-	-	-
(122) CERTAIN DISORDERS INVOLVING THE IMMUNE MECHANISM	-	-	-	-	-	-	-	-	-	-	1	1
ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES	**7**	**2**	**4**	**6**	**8**	**5**	**14**	**7**	**15**	**8**	**17**	**14**
ENDOCRINE DISEASES	6	2	3	6	7	2	11	6	10	8	15	13
(123) DISORDERS OF THYROID GLAND	-	-	-	-	-	-	-	-	-	-	-	-
(124) DIABETES MELLITUS	6	2	3	6	7	2	11	6	10	8	15	13
(126) DISORDERS OF ADRENAL GLANDS	-	-	-	-	-	-	-	-	-	-	-	-
NUTRITIONAL DISEASES	1	-	-	-	-	3	2	1	3	-	1	1
MALNUTRITION	-	-	-	-	-	-	-	-	-	-	-	-
(130) OTHER AND UNSPECIFIED MALNUTRITION	-	-	-	-	-	-	-	-	-	-	-	-
(132) OBESITY AND OTHER HYPERALIMENTATION	1	-	-	-	-	3	2	1	3	-	1	1
METABOLIC DISORDERS	-	-	1	-	1	-	1	-	2	-	1	-
(133) CYSTIC FIBROSIS	-	-	-	-	-	-	-	-	-	-	-	-
(134) VOLUME DEPLETION, DISORDERS OF FLUID, ELECTROLYTE AND ACID-BASE BALANCE	-	-	-	-	-	-	-	-	-	-	-	-
(135) OTHER METABOLIC DISORDERS	-	-	1	-	1	-	1	-	2	-	1	-
MENTAL AND BEHAVIORAL DISORDERS	**7**	**3**	**7**	**2**	**5**	**3**	**2**	**3**	**8**	-	**2**	**5**
(136) ORGANIC DEMENTIA	-	-	-	-	-	-	-	-	1	-	-	2
(137) OTHER AND UNSPECIFIED ORGANIC MENTAL DISORDERS	-	-	-	-	-	-	-	-	-	-	-	-
MENTAL AND BEHAVIORAL DISORDERS DUE TO PSYCHOACTIVE SUBSTANCE USE	7	3	7	2	5	3	1	3	7	-	2	3
(138) MENTAL AND BEHAVIORAL DISORDERS DUE TO USE OF ALCOHOL	6	1	4	1	3	2	1	3	6	-	1	2
(139) MENTAL AND BEHAVIORAL DISORDERS DUE TO OTHER PSYCHOACTIVE SUBSTANCE USE	1	2	3	1	2	1	-	-	1	-	1	1

* LIST OF 358 SELECTED UNDERLYING CAUSES OF DEATH. LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES SHOWN IN FIGURE 2

TABLE D-1 (CONTINUED)

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2003

CAUSE OF DEATH*	40-44 YEARS		45 - 49 YEARS		50 - 54 YEARS		55 - 59 YEARS		60 - 64 YEARS		65 - 69 YEARS	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
__(141) MOOD (AFFECTIVE) DISORDERS	-	-	-	-	-	-	-	-	-	-	-	-
__(142) NEUROTIC, STRESS-RELATED AND SOMATOFORM DISORDERS	-	-	-	-	-	-	-	-	-	-	-	-
__(143) MENTAL RETARDATION	-	-	-	-	-	-	1	-	-	-	-	-
__(144) OTHER AND UNSPECIFIED MENTAL AND BEHAVIORAL DISORDERS	-	-	-	-	-	-	-	-	-	-	-	-
DISEASES OF THE NERVOUS SYSTEM	**1**	**2**	**5**	**6**	**7**	**5**	**10**	**3**	**5**	**8**	**9**	**14**
__(145) MENINGITIS	-	-	-	-	1	-	-	-	-	-	-	-
__(148) OTHER INFLAMMATORY DISEASES OF CENTRAL NERVOUS SYSTEM	-	-	-	-	-	-	-	-	-	-	-	-
__(147) PARKINSON'S DISEASE	-	-	-	-	-	-	-	1	1	-	1	1
__(148) ALZHEIMER'S DISEASE	-	-	-	-	-	-	1	-	-	1	-	6
__(149) MULTIPLE SCLEROSIS	-	-	3	1	1	3	2	2	-	2	2	1
__(150) EPILEPSY	-	-	-	-	-	-	-	-	-	-	1	-
__(152) INFANTILE CEREBRAL PALSY	-	-	-	-	-	-	-	-	1	-	-	-
__(153) ALL OTHER DISEASES OF NERVOUS SYSTEM	1	2	2	5	5	2	7	-	3	5	5	6
(154) DISEASES OF THE EYE AND ADNEXA	-	-	-	-	-	-	-	-	-	-	-	-
(155) DISEASES OF THE EAR AND MASTOID PROCESS	-	-	-	-	-	1	-	-	-	-	-	-
DISEASES OF THE CIRCULATORY SYSTEM	**20**	**8**	**43**	**13**	**71**	**19**	**87**	**26**	**85**	**41**	**136**	**67**
__ACUTE RHEUMATIC FEVER AND CHRONIC RHEUMATIC HEART DISEASE	-	-	-	-	-	-	-	1	-	-	-	1
___CHRONIC RHEUMATIC HEART DISEASES	-	-	-	-	-	-	-	1	-	-	-	1
_____157) RHEUMATIC MITRAL VALVE DISEASE	-	-	-	-	-	-	-	-	-	-	-	-
_____(158) RHEUMATIC AORTIC VALVE DISEASE	-	-	-	-	-	-	-	-	-	-	-	1
_____(159) DISORDERS OF BOTH MITRAL AND AORTIC VALVES	-	-	-	-	-	-	-	1	-	-	-	-
_____(160) OTHER CHRONIC RHEUMATIC HEART DISEASE	-	-	-	-	-	-	-	-	-	-	-	-
__HYPERTENSIVE DISEASES	1	-	1	1	2	-	3	-	1	2	5	1
___(161) ESSENTIAL (PRIMARY) HYPERTENSION	-	-	1	-	-	-	-	-	-	-	2	1
___(162) HYPERTENSIVE HEART DISEASE	1	-	-	-	2	-	3	-	1	1	2	-
___(163) HYPERTENSIVE RENAL DISEASE	-	-	-	1	-	-	-	-	-	1	-	-
___(164) HYPERTENSIVE HEART AND RENAL FAILURE	-	-	-	-	-	-	-	-	-	-	1	-
__ISCHEMIC HEART DISEASES	14	2	26	4	48	12	58	13	49	16	80	32
___(165) ACUTE MYOCARDIAL INFARCTION	6	1	14	2	16	8	24	5	23	9	35	19
___(166) OTHER ACUTE ISCHEMIC HEART DISEASES	-	-	-	-	-	-	1	-	-	-	-	-
___OTHER FORMS OF CHRONIC ISHCEMIC HEART DISEASE	8	1	12	2	32	4	33	8	26	7	45	13
_____(167(ATHEROSCLEROTIC CARDIOVASCULAR DISEASE, SO DESCRIBED	2	-	4	-	6	3	14	5	5	1	12	3
_____(168) ALL OTHER FORMS OF CHRONIC ISCHEMIC HEART DISEASE	6	1	8	2	26	1	19	3	21	6	33	10
__OTHER HEART DISEASES	2	4	11	4	11	3	19	3	17	14	24	16
___PULMONARY HEART DISEASE AND DISEASES OF PULMONARY CIRCULATION	-	-	2	-	4	1	3	1	4	3	3	6
_____(169) PULMONARY EMBOLISM	-	-	1	-	4	1	2	1	1	1	1	2
_____(170) OTHER PULMONARY HEART DISEASE AND DISEASES OF PULMONARY CIRCULATION	-	-	1	-	-	-	1	-	3	2	2	4
___OTHER NON-PULMONARY FORMS OF HEART DISEASE	2	4	9	4	7	2	16	2	13	11	21	10
_____(171) ACUTE AND SUBACUTE ENDOCARDITIS	-	-	-	-	-	-	-	-	-	-	-	-
_____(172) DISEASES OF PERICARDIUM AND ACUTE MYOCARDITIS	-	-	-	-	-	-	1	-	-	-	-	-
_____OTHER DISEASES OF ENDOCARDIUM	-	-	-	-	-	1	1	-	1	2	-	1
_____(173) NONRHEUMATIC MITRAL VALVE DISORDERS	-	-	-	-	-	-	-	-	-	-	-	-
_____(174) NONRHEUMATIC AORTIC VALVE DISORDERS	-	-	-	-	-	-	-	-	1	1	-	1
_____(175) ALL OTHER DISEASES OF ENDOCARDIUM	-	-	-	-	-	1	1	-	-	1	-	-
_____(176) CARDIOMYOPATHY	-	1	2	-	1	-	3	1	4	5	7	2
_____(177) CONDUCTION DISORDERS AND CARDIAC DYSRHYTHMIAS	1	1	5	4	4	1	4	1	5	2	7	3
_____HEART FAILURE	-	2	1	-	2	-	5	-	1	1	5	4
_____(178) CONGESTIVE HEART FAILURE	-	1	1	-	1	-	4	-	1	-	4	2
_____(179) OTHER AND UNSPECIFIED HEART FAILURE	-	1	-	-	1	-	1	-	-	1	1	2
_____(180) MYOCARDITIS, UNSPECIFIED AND MYOCARDIAL DEGENERATION	-	-	1	-	-	-	-	-	1	-	-	-
_____(181) ALL OTHER AND ILL-DEFINED FORMS OF HEART DISEASE	1	-	-	-	-	-	2	-	1	1	2	-
__CEREBROVASCULAR DISEASE	3	2	3	4	4	4	4	6	10	6	15	10
___(182) SUBARACHNOID HEMORRHAGE	-	2	-	4	1	1	-	2	2	2	3	1
___(183) INTRACEREBRAL AND OTHER INTRACRANIAL HEMORRHAGE	1	-	3	-	1	2	2	2	-	1	3	2
___(184) CEREBRAL INFARCTION	-	-	-	-	-	-	-	-	-	1	1	1
___(185) STROKE, NOT SPECIFIED AS HEMORRHAGE OR INFARCTION	2	-	-	-	1	1	2	1	6	1	6	4
___(186) OTHER CEREBROVASCULAR DISEASES AND THEIR SEQUELAE	-	-	-	-	1	-	-	1	2	1	2	2
__DISEASES OF ARTERIES, ARTERIOLES AND CAPILLARIES	-	-	1	-	4	-	3	-	7	3	12	6
___(187) ATHEROSCLEROSIS	-	-	-	-	-	-	1	-	1	-	2	1
___(188) AORTIC ANEURYSM AND DISSECTION	-	-	1	-	4	-	2	-	3	1	9	4

* LIST OF 358 SELECTED UNDERLYING CAUSES OF DEATH. LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES SHOWN IN FIGURE 2

03-45

TABLE D-1 (CONTINUED)

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2003

CAUSE OF DEATH*	40-44 YEARS		45 - 49 YEARS		50 - 54 YEARS		55 - 59 YEARS		60 - 64 YEARS		65 - 69 YEARS	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
(189) OTHER DISEASES OF ARTERIES, ARTERIOLES AND CAPILLARIES	-	-	-	-	-	-	-	-	3	2	1	1
OTHER DISORDERS OF CIRCULATORY SYSTEM	-	-	1	-	2	-	-	3	1	-	-	1
(190) PHLEBITIS, THROMBOPHLEBITIS, VENOUS EMBOLISM AND THROMBOSIS	-	-	1	-	2	-	-	2	1	-	-	-
(191) ALL OTHER AND UNSPECIFIED DISORDERS OF CIRCULATORY SYSTEM	-	-	-	-	-	-	-	1	-	-	-	1
DISEASES OF THE RESPIRATORY SYSTEM	-	**3**	**4**	**5**	**6**	**7**	**12**	**6**	**21**	**21**	**50**	**28**
OTHER DISEASES OF THE RESPIRATORY SYSTEM	-	3	4	5	6	7	12	6	21	21	50	28
(195) INFLUENZA	-	-	-	-	-	-	-	-	-	-	-	1
PNEUMONIA	-	1	2	-	1	4	2	1	3	2	6	-
(196) VIRAL PNEUMONIA, NOT ELSEWHERE CLASSIFIED	-	-	-	-	-	-	-	-	-	-	-	-
(197) BACTERIAL PNEUMONIA	-	-	-	-	1	-	-	1	-	-	1	-
(198) PNEUMONIA DUE TO OTHER OR UNSPECIFIED ORGANISMS	-	1	2	-	-	4	2	-	3	2	5	-
OTHER ACUTE LOWE RESPIRATORY INFECTIONS	-	-	-	-	-	-	-	-	-	-	-	-
(2000 UNSPECIFIED ACUTE LOWER RESPIRATORY INFECTION	-	-	-	-	-	-	-	-	-	-	-	-
(201) OTHER DISEASES OF UPPER RESPIRATORY TRACT	-	-	-	-	-	-	-	-	-	-	-	-
CHRONIC LOWER RESPIRATORY DISEASE	-	2	1	4	5	2	9	3	14	18	39	23
BRONCHITIS, CHRONIC AND UNSPECIFIED, EMPHYSEMA AND ASTHMA	-	2	1	4	5	2	9	2	14	18	39	22
(202) BRONCHITIS, NOT SPECIFIED AS ACUTE OR CHRONIC	-	-	-	-	-	-	-	-	-	-	-	-
(203) CHRONIC BRONCHITIS	-	-	-	-	-	-	-	-	-	-	-	-
(204) EMPHYSEMA	-	1	1	-	-	-	1	-	3	3	5	2
(205) OTHER CHRONIC OBSTRUCTIVE PULMONARY DISEASE	-	1	-	3	5	2	7	2	11	15	34	19
(206) ASTHMA	-	-	-	1	-	-	1	-	-	-	-	1
(207) BRONCHIECTASIS	-	-	-	-	-	-	-	1	-	-	-	1
LUNG DISEASES DUE TO EXTERNAL AGENTS	-	-	1	-	-	-	-	-	-	1	2	-
(208) PNEUMONCONIOSES AND CHEMICAL EFFECTS	-	-	-	-	-	-	-	-	-	-	1	-
PNEUMONITIS DUE TO SOLIDS AND LIQUIDS	-	-	1	-	-	-	-	-	-	1	1	-
(209) PNEUMONITIS OUE TO FOOD AND VOMIT	-	-	1	-	-	-	-	-	-	1	1	-
(212) SUPPURATIVE AND NECROTIC CONDITIONS OF LOWER RESPIRATORY TRACT	-	-	-	-	-	-	-	-	-	-	-	-
(213) PLEURAL EFFUSION AND PLAQUE	-	-	-	-	-	-	-	-	-	-	-	-
(214) ALL OTHER DISEASES OF RESPIRATORY SYSTEM	-	-	-	1	-	1	1	2	4	-	3	4
DISEASES OF THE DIGESTIVE SYSTEM	**8**	**3**	**8**	**5**	**20**	**6**	**20**	**7**	**10**	**12**	**18**	**12**
DISEASES OF OTHER PARTS OF DIGESTIVE SYSTEM	8	3	8	5	20	6	20	7	10	12	18	12
(216) DISEASES OF ESOPHAGUS	-	-	-	-	-	-	-	-	-	-	-	-
PEPTIC ULCER	-	-	-	-	-	-	-	-	-	-	1	-
(217) GASTRIC ULCER	-	-	-	-	-	-	-	-	-	-	1	-
(216) DUODENAL ULCER	-	-	-	-	-	-	-	-	-	-	-	-
(219) PEPTIC ULCER, SITE UNSPECIFIED	-	-	-	-	-	-	-	-	-	-	-	-
(221) GASTRITIS AND OUODENITIS	-	-	-	-	-	-	-	-	-	-	-	-
(222) DYSPEPSIA AND OTHER DISEASES OF STOMACH AND DUODENUM	-	-	-	-	-	-	-	-	-	-	-	-
(223) DISEASES OF APPENDIX	-	-	-	-	-	-	-	-	-	-	-	-
(224) HENIA	-	-	-	-	-	-	-	-	-	-	-	-
(225) CROHN'S DISEASE AND ULCERATIVE COLITIS	-	-	-	-	-	-	-	-	-	-	-	-
(226) VASCULAR DISORDERS AND OBSTRUCTION OF INTESTINE WITHOUT HERNIA	-	-	-	-	-	1	2	-	1	1	-	3
(227) DIVERTICULAR DISEASE OF INTESTINE	-	-	-	-	-	-	-	1	-	-	-	2
(228) OTHER DISEASES OF INTESTINES AND PERITONEUM	-	-	-	-	1	-	-	1	-	-	-	-
(229) DISEASES OF PERITONEUM	-	-	-	-	-	-	-	-	-	-	-	-
DISEASES OF LIVER	8	3	8	5	18	5	14	5	8	9	12	3
(230) ALCHOLIC LIVER DISEASE	4	3	6	4	4	2	9	2	3	1	8	1
(232) FIBROSIS AND CIRRHOSIS OF LIVER	2	-	2	1	7	1	4	1	3	7	1	1
(233) OTHER DISEASES OF LIVER	2	-	-	-	7	2	1	2	2	1	3	1
(234) CHOLELITHIASIS AND OTHER DISORDERS OF GALLBLADOER	-	-	-	-	-	-	1	-	-	-	-	1
DISORDERS OF BILIARY TRACT AND PANCREAS	-	-	-	-	-	-	-	-	1	2	5	1
(235) PANCREATITIS	-	-	-	-	-	-	-	-	-	2	4	1
(236) OTHER DISORDERS OF BILIARY TRACT AND PANCREAS	-	-	-	-	-	-	-	-	1	-	1	-
(237) ALL OTHER DISEASES OF DIGESTIVE SYSTEM	-	-	-	-	1	-	3	-	-	-	-	2
DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE	-	-	**1**	-	**1**	-	-	-	-	**1**	-	**2**
(238) INFECTIONS OF SKIN AND SUBCUTANEOUS TISSUE	-	-	-	-	1	-	-	-	-	-	-	1
(239) OTHER AND UNSPECIFIED DISEASES OF SKIN AND SUBCUTANEOUS TISSUE	-	-	1	-	-	-	-	-	-	1	-	1
DISEASES OF THE MUSCUOLSKELETAL SYSTEM AND CONNECTIVE TISSUE	-	**1**	**1**	-	**1**	-	**1**	**3**	**2**	**4**	**1**	**2**
(240) RHEUMATOID ARTHRITIS AND RELATED INFLAMMATORY POLYARTHROPATHIES	-	-	1	-	-	-	-	-	1	1	1	1
(241) SYSTEMIC LUPUS ERYTHEMATOSUS	-	-	-	-	-	-	-	1	-	-	-	1

* LIST OF 358 SELECTED UNDERLYING CAUSES OF DEATH LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES SHOWN IN FIGURE 2

TABLE D-1 (CONTINUED)

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 350 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2003

CAUSE OF DEATH*	40-44 YEARS		45 - 49 YEARS		50 - 54 YEARS		55 - 59 YEARS		60 - 64 YEARS		65 - 69 YEARS	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
__(242) OTHER ARTHROPATHIES AND RELATED DISORDERS	-	1	-	-	-	-	1	1	1	3	-	-
__(243) DORSOPATHIES	-	-	-	-	-	-	-	-	-	-	-	-
__(244) SOFT TISSUE DISORDERS	-	-	-	-	-	-	-	1	-	-	-	-
__OSTEOPATHIES, CHRONDROPATHIES AND OTHER DISORDERS OF MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE	-	-	-	-	1	-	-	-	-	-	-	-
____(245) OSTEOPOROSIS	-	-	-	-	-	-	-	-	-	-	-	-
DISEASES OF THE GENITOURINARY SYSTEM	**1**	**1**	**2**	-	-	**1**	**3**	**2**	**4**	**4**	**1**	**4**
__DISEASES OF URINARY SYSTEM	1	-	2	-	-	1	2	2	4	4	1	4
____GLOMERULAR AND RENAL TUBULO-INTERSTITIAL DISEASES	-	-	-	-	-	1	-	-	-	-	-	-
_____GLOMERULAR DISEASES	-	-	-	-	-	-	-	-	-	-	-	-
_____(246) NEPHROTIC SYNDROME	-	-	-	-	-	-	-	-	-	-	-	-
_____(250) RENAL TUBULO-INTERSTITIAL DISEASES	-	-	-	-	-	1	-	-	-	-	-	-
____(251) RENAL FAILURE	1	-	1	-	-	-	2	2	4	3	1	4
____(252) UROLITHIASIS	-	-	1	-	-	-	-	-	-	-	-	-
____(254) URINARY TRACT INFECTIONS, SITE NOT SPECIFED	-	-	-	-	-	-	-	-	-	1	-	-
____(255) OTHER DISEASES OF URINARY TRACT	-	-	-	-	-	-	-	-	-	-	-	-
__DISEASES OF MALE GENITAL ORGANS	-	-	-	-	-	-	1	-	-	-	-	-
____(256) HYPERPLASIA OF PROSTATE	-	-	-	-	-	-	-	-	-	-	-	-
____(257) OTHER DISEASES OF MALE GENITAL ORGANS	-	-	-	-	-	-	1	-	-	-	-	-
__DISORDERS OF FEMALE GENITAL ORGANS	-	1	-	-	-	-	-	-	-	-	-	-
____(260) NONINFLAMMATORY DISORDERS OF FEMALE GENITAL TRACT	-	1	-	-	-	-	-	-	-	-	-	-
__(272) OTHER DEATHS RELATED TO PREGNANCY, CHILDBIRTH AND THE PUERPERIUM	-	1	-	-	-	-	-	-	-	-	-	-
__(273) INDIRECT OBSTETRIC DEATHS	-	-	-	-	-	-	-	-	-	-	-	-
CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	-	-	-	-	-	-	-	-	-	-	-	-
__(274) NEWBORN AFFECTED BY MATERNAL FACTORS AND BY COMPLICATIONS OF PREGNANCY, LABOR AND DELIVERY	-	-	-	-	-	-	-	-	-	-	-	-
__(275) DISORDERS RELATED TO SHORT GESTATION AND LOW BIRTH WEIGHT, NOT ELSEWHERE CLASSIFIED	-	-	-	-	-	-	-	-	-	-	-	-
__(276) BIRTH TRAUMA	-	-	-	-	-	-	-	-	-	-	-	-
__(278) RESPIRATORY DISTRESS OF NEWBORN	-	-	-	-	-	-	-	-	-	-	-	-
__(279) OTHER RESPIRATORY CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	-	-	-	-	-	-	-	-	-	-	-	-
__(280) INFECTIONS SPECIFIC TO THE PERINATAL PERIOD	-	-	-	-	-	-	-	-	-	-	-	-
__(281) OTHER AND UNSPECIFIED CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	-	-	-	-	-	-	-	-	-	-	-	-
CONGENITAL MALFORMATIONS, DEFORMATIONS AND CHROMOSOMAL ABNORMALITIES	**1**	-	**1**	-	-	-	-	**1**	-	-	-	-
__(284) ALL OTHER CONGENITAL MALFORMATIONS OF NERVOUS SYSTEM	-	-	1	-	-	-	-	-	-	-	-	-
__(285) CONGENITAL MALFORMATIONS OF HEART	-	-	-	-	-	-	-	-	-	-	-	-
__(286) OTHER CONGENITAL MALFORMATIONS OR CIRCULATORY SYSTEM	1	-	-	-	-	-	-	-	-	-	-	-
__(288) OTHER CONGEITAL MALFORMATIONS AND DEFORMATIONS	-	-	-	-	-	-	-	-	-	-	-	-
__(289) DOWN'S SYNDROME	-	-	-	-	-	-	-	1	-	-	-	-
__(290) ALL OTHER CHROMOSOMAL ABNORMALITIES, NOT ELSEWHERE CLASSIFIED	-	-	-	-	-	-	-	-	-	-	-	-
SYMPTOMS, SIGNS AND ABNORMAL CLINICAL AND LABORATORY FINDINGS, NOT ELSEWHERE CLASSIFIED	**1**	**3**	**2**	**1**	**2**	**2**	**4**	**3**	**1**	**3**	**1**	**1**
__(291) SENILITY	-	-	-	-	-	-	-	-	-	-	-	-
__ILL-DEFINED AND UNKNOWN CAUSE OR MORTALITY	-	1	2	1	2	2	4	3	-	2	1	1
____(292) SUDDEN INFANT DEATH SYNDROME	-	-	-	-	-	-	-	-	-	-	-	-
____(293) OTHER ILL-DEFINED AND UNKNOWN CAUSES OF MORTALITY	-	1	2	1	2	2	4	3	-	2	1	1
__(294) ALL OTHER SYMPTOMS, SIGNS AND ABNORMAL CLINICAL AND LABORATORY FINDINGS, NOT ELSEWHERE CLASSIFIED	1	2	-	-	-	-	-	-	1	1	-	-
EXTERNAL CAUSES OF MORTALITY	**52**	**25**	**57**	**15**	**39**	**13**	**31**	**10**	**19**	**10**	**17**	**7**
__ACCIDENTS	31	15	30	9	23	6	21	6	13	7	11	6
____TRANSPORT ACCIDENTS	19	7	21	5	12	4	14	5	5	6	5	4
_____(295) RAILWAY ACCIDENTS	1	-	-	-	-	-	-	-	-	-	-	-
_____MOTOR VEHICLE ACCIDENTS	17	7	19	4	12	4	12	5	5	6	4	4
_____(296) PEDESTRIAN COLLISION WITH MOTOR VEHICLE	-	2	1	-	1	-	2	-	-	-	1	1
_____(297) PEDALCYCLIST COLLISION WITH MOTOR VEHICLE	-	-	-	-	-	-	-	-	-	-	-	-
_____(298) MOTORCYCLIST ANY ACCIDENT EXCEPT COLLISION WITH RAILWY CAR	4	-	1	-	-	1	2	-	-	-	-	-
_____MOTOR VEHICLE ACCIDENT WITH RAILWAY TRAIN	1	-	1	-	-	-	-	-	-	1	-	-
_____(300) OTHER MOTOR VEHICLE COLLISION WITH RAILWAY TRAIN	1	-	1	-	-	-	-	-	-	1	-	-
_____(301) MOTOR VEHICLE COLLISION WITH OTHER (NON-MOTORIZED) ROAD VEHICLE, STREETCAR, ANIMAL OR PEDESTRIN	3	-	6	-	1	1	2	-	1	1	1	1
_____(302) CAR, PICKUP TRUCK OR VAN COLLISION WITH OTHER MOTOR VEHICLE	3	4	5	-	4	1	2	4	1	1	1	-
_____(303) HEAVY TRANSPORT VEHICLE OR BUS COLLISION WITH OTHER MOTOR VEHICLE	-	-	-	-	-	-	-	-	-	-	1	-
_____(304) MOTOR VEHICLE NONCOLLISION ACCIDENT	3	-	5	3	5	-	2	1	1	3	-	2
_____(305) SPECIAL-USE MOTOR VEHICLE ANY ACCIDENT	1	-	-	1	1	1	1	-	-	-	-	-
_____(306) OTHER AND UNSPECIFIED MOTOR VEHICLE ACCIDENTS	2	1	-	-	-	-	1	-	2	-	-	-
_____(308) OTHER AND UNSPECIFIED LAND TRANSPORT ACCIDENTS	-	-	-	-	-	-	1	-	-	-	-	-

* LIST OF 350 SELECTED UNDERLYING CAUSES OF DEATH LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES SHOWN IN FIGURE 2

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TABLE D-1 (CONTINUED)

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2003

CAUSE OF DEATH*	40-44 YEARS		45 - 49 YEARS		50 - 54 YEARS		55 - 59 YEARS		60 - 64 YEARS		65 - 69 YEARS	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
_____(309) WATER TRANSPORT ACCIDENTS	-	-	1	1	-	-	-	-	-	-	-	-
_____(310) AIR AND SPACE TRANSPORT ACCIDENTS	-	-	1	-	-	-	1	-	-	-	1	-
_____(311) OTHER AND UNSPECIFIED TRANSPORT ACCIDENTS AND THEIR SEQUELAE	1	-	-	-	-	-	-	-	-	-	-	-
___FALLS	-	1	-	1	2	-	2	-	2	-	1	2
_____(312) FALL ON SAME LEVEL	-	-	-	1	-	-	1	-	1	-	1	1
_____(313) FALL FROM ONE LEVEL TO ANOTHER	-	-	-	-	2	-	-	-	-	-	-	-
_____(314) UNSPECIFIED FALL	-	1	-	-	-	-	1	-	1	-	-	1
___(315) ACCIDENTAL DISCHARGE OF FIREARMS	1	-	-	-	-	-	1	-	1	-	-	-
___(317) ACCIDENTAL DROWNING AND SUBMERSION	2	-	1	-	1	-	-	-	-	-	-	-
___(318) ACCIDENTAL INHALATION AND INGESTION OF FOOD OR OTHER OBJECTS CAUSING OBSTRUCTION OF RESPIRATORY TRACT	-	-	-	-	-	-	1	-	-	-	2	-
___(319) OTHER ACCIDENTAL AND UNSPECIFIED THREATS TO BREATHING	2	-	1	-	-	1	-	-	1	-	-	-
___(320) ACCIDENTAL EXPOSURE TO ELECTRIC CURRENT	1	-	-	-	-	-	-	-	-	-	-	-
___(322) ACCIDENTAL EXPOSURE TO SMOKE, FIRE AND FLAMES	-	-	-	-	-	-	-	-	-	-	2	-
___(323) ACCIDENTAL CONTACT WITH HEAR AND HOT SUBSTANCES	-	-	-	-	-	-	-	-	-	-	-	-
___(325) EARTHQUAKE, VOLCANIC ERUPTION, AVALANCHE, LANDSLIDE AND OTHER EARTH MOVEMENTS	-	-	-	-	-	-	-	-	-	-	-	-
___ACCIDENTAL POISONING AND EXPOSURE TO NOXIOUS SUBSTANCES	3	6	5	3	5	1	1	1	1	1	-	-
_____(327) BY AND EXPOSURE TO DRUGS AND OTHER BIOLOGICAL SUBSTANCES	3	5	4	3	5	1	-	1	1	1	-	-
_____(328) BY AND EXPOSURE TO OTHER AND UNSPECIFIED SOLID OR LIQUID SUBSTANCES	-	-	-	-	-	-	1	-	-	-	-	-
_____(329) BY AND EXPOSURE TO OTHER GASES AND VAPORS	-	1	1	-	-	-	-	-	-	-	-	-
___(330) ALL OTHER AND UNSPECIFIED ACCIDENTS AND THEIR SEQUELAE	3	1	2	-	3	-	2	-	3	-	1	-
__INTENTIONAL SELF-HARM AND SELF-POISONING (SUICIDE)	13	6	18	4	13	2	7	1	6	3	5	-
___(331) POISONING BY AND EXPOSURE TO DRUGS AND OTHER BIOLOGICAL SUBSTANCES	1	3	-	2	-	-	-	-	-	2	-	-
___(332) POISONING BY AND EXPOSURE TO OTHER AND UNSPECIFIED SOLID OR LIQUID SUBSTANCES AND THEIR VAPORS	-	-	-	-	1	1	-	-	-	-	-	-
___(333) POISONING BY AND EXPOSURE TO GASES AND VAPORS	-	-	-	-	2	-	2	-	-	-	-	-
___(334) BY HANGING, STRANGULATION AND SUFFOCATION	5	-	3	-	1	-	-	-	-	-	-	-
___(335) BY DISCHARGE OF FIREARMS	7	3	15	1	8	1	5	1	6	1	4	-
___(337) BY ALL OTHER AND UNSPECIFIED MEANS AND THEIR SEQUELAE	-	-	-	1	1	-	-	-	-	-	1	-
__ASSAULT (HOMICIDE)	2	-	3	-	1	2	2	1	-	-	-	-
___(338) BY DRUGS, BIOLOGICAL SUBSTANCES AND OTHER AND UNSPECIFIED NOXIOUS SUBSTANCES	-	-	-	-	-	-	-	-	-	-	-	-
___(339) BY HANGING, STRANGULATION AND SUFFOCATION	-	-	-	-	-	-	-	-	-	-	-	-
___(340) BY DISCHARGE OF FIREARMS	1	-	1	-	-	2	1	-	-	-	-	-
___(341) BY SHARP OBJECT	-	-	1	-	-	-	-	1	-	-	-	-
___(342) BY BLUNT OBJECT	-	-	1	-	-	-	-	-	-	-	-	-
___(343) BY BODILY FORCE	-	-	-	-	1	-	-	-	-	-	-	-
___(346) ASSAULT (HOMICIDE) BY ALL OTHER AND UNSPECIFIED MEANS AND THEIR SEQUELAE	1	-	-	-	-	-	1	-	-	-	-	-
__EVENT OF UNDETERMINED INTENT	6	3	6	2	2	2	-	1	-	-	-	1
___(347) POISONING BY AND EXPOSURE TO DRUGS AND BIOLOGICAL SUBSTANCES, UNDTERMINED INTENT	5	2	6	2	-	1	-	1	-	-	-	1
___(348) POISONING BY AND EXPOSURE TO OTHER AND UNSPECIFIED SOLID OR LIQUID SUBSTANCES	1	-	-	-	-	-	-	-	-	-	-	-
___(352) ALL OTHER AND UNSPECIFIED EVENTS OF UNDETERMINED INTENT AND THEIR SEQUELAE	-	1	-	-	2	1	-	-	-	-	-	-
__COMPLICATIONS OF MEDICAL AND SURGICAL CARE	-	1	-	-	-	1	1	1	-	-	1	-
___(356)DRUGS, MEDICAMENTS AND BIOLOGICAL SUBSTANCES CAUSING ADVERSE EFFECTS IN THERAPEUTIC USE, AND THEIR S	-	-	-	-	-	-	-	-	-	-	-	-
___(358) OTHER COMPLICATIONS OF MEDICAL AND SURGICAL CARE AND THEIR SEQUELAE	-	1	-	-	-	1	1	1	-	-	1	-

* LIST OF 358 SELECTED UNDERLYING CAUSES OF DEATH. LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES SHOWN IN FIGURE 2.

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2003

CAUSE OF DEATH*	70 - 74 YEARS		75 - 79 YEARS		80 - 84 YEARS		85 OR OLDER	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
ALL CAUSES	**446**	**359**	**587**	**474**	**637**	**640**	**956**	**1,642**
CERTAIN INFECTIOUS AND PARASITIC DISEASES	**5**	**4**	**8**	**11**	**9**	**12**	**12**	**24**
__INTESTINAL INFECTIOUS DISEASES	-	-	2	1	-	-	1	2
___OTHER INTESTINAL INFECTIOUS DISEASES	-	-	2	1	-	-	1	2
_____(5) OTHER BACTERIAL FOOD-BORNE INTOXICATIONS	-	-	-	-	-	-	-	-
_____(7) INTESTINAL INFECTIONS DUE TO OTHER SPECIFIED ORGANISMS	-	-	2	1	-	-	1	2
__TUBERCULOSIS	-	-	-	-	-	-	-	-
____(9) RESPIRATORY	-	-	-	-	-	-	-	-
__ZOONOTIC AND OTHER BACTERIAL DISEASES	2	4	3	10	7	9	9	21
____(18) SEPTICEMIA	2	4	3	10	6	9	8	21
____(19) OTHER ZOONOTIC AND BACTERIAL DISEASES	-	-	-	-	1	-	1	-
__VIRAL DISEASES	3	-	1	-	2	2	1	-
____(32) OTHER AND UNSPECIFIED ARTHROPOD-BORNE VIRAL AND HEMORRHAGIC FEVERS	1	-	-	-	2	-	-	-
____(33) HERPESVIRAL (HERPES SIMPLEX) INFECTIONS	-	-	-	-	-	1	-	-
____(38) VIRAL HEPATITIS	1	-	1	-	-	1	-	-
____HUMAN IMMUNODEFICIENCY VIRUS (HIV) DISEASE	-	-	-	-	-	-	-	-
_____(39) RESULTING IN INFECTIOUS AND PARASITIC DISEASE	-	-	-	-	-	-	-	-
_____(40) RESULTING IN MALIGNANT NEOPLASMS	-	-	-	-	-	-	-	-
_____(43) UNSPECIFIED HUMAN IMMUNODEFICIENCY VIRUS (HIV) DISEASE	-	-	-	-	-	-	-	-
____(44) ALL OTHER AND UNSPECIFIED VIRAL DISEASES	1	-	-	-	-	-	1	-
__OTHER AND UNSPECIFIED INFECTIONS AND PARASITIC DISEASES AND THEIR SEQUELAE	-	-	2	-	-	1	1	1
____(48) MYCOSES	-	-	-	-	-	-	-	-
____PROTOZOAL DISEASES	-	-	-	-	-	-	-	-
_____(49) PNEUMOCYSTOSIS	-	-	-	-	-	-	-	-
____(54) SEQUELAE OF POLIOMYELITIS	-	-	1	-	-	1	-	-
____(55) ALL OTHER AND UNSPECIFIED INFECTIONS AND PARASITIC DISEASES AND THEIR SEQUELAE	-	-	1	-	-	-	1	1
NEOPLASMS	**161**	**114**	**166**	**155**	**153**	**134**	**159**	**200**
__MALIGNANT NEOPLASMS	156	114	155	150	149	129	144	186
___MALIGNANT NEOPLASMS OF LIP, ORAL CAVITY AND PHARYNX	1	2	1	-	2	2	1	-
_____(57) OF TONGUE	-	-	1	-	-	1	1	-
_____(58) OF PHARYNX	1	1	-	-	1	-	-	-
_____(59) OF OTHER AND UNSPECIFIED SITES WITHIN THE LIP, ORAL CAVITY AND PHARYNX	-	1	-	-	1	1	-	-
___MALIGNANT NEOPLASMS OF DIGESTIVE ORGANS	35	18	31	33	33	29	26	46
_____(60) OF ESOPHAGUS	7	1	4	2	4	1	7	4
_____(61) OF STOMACH	1	1	2	2	2	2	4	2
_____(62) OF SMALL INTESTINE	-	1	-	-	-	-	-	3
_____OF COLON, RECTUM AND ANUS	15	10	14	16	16	16	9	22
_____(63) COLON	13	9	12	11	12	15	8	21
_____(64) RECTOSIGMOID JUNCTION AND RECTUM	2	1	2	5	4	1	1	1
_____OF LIVER AND INTRAHEPATIC BILE DUCTS	5	1	4	3	2	1	1	2
_____(66) LIVER	1	1	3	2	1	-	1	-
_____(67) INTRAHEPATIC BILE DUCT CARCINOMA	4	-	1	1	1	1	-	2
_____(68) OF GALLBLADDER AND EXTRAHEPATIC BILE DUCTS	-	1	-	1	1	1	-	2
_____(69) OF PANCREAS	7	3	7	9	8	8	5	11
_____(70) OF OTHER AND ILL-DEFINED DIGESTIVE ORGANS	-	-	-	-	-	-	-	-
___MALIGNANT NEOPLASMS OF RESPIRATORY AND INTRATHORACIC ORGANS	57	48	57	50	40	30	33	32
_____(71) OF NASAL CAVITY, MIDDLE EAR AND ACCESSORY SINUSES	1	-	-	-	-	-	-	-
_____(72) OF LARYNX	2	2	-	1	-	-	1	-
_____(73) OF TRACHEA, BRONCHUS AND LUNG	54	46	56	49	40	30	32	32
_____(74) OF THYMUS, HEART, MEDIASTINUM AND PLEURA	-	-	1	-	-	-	-	-
___(76) MALIGNANT NEOPLASMS OF BONE AND ARTICULAR CARTILAGE	-	-	-	-	-	-	-	-
___MELANOMA AND OTHER MALIGNANT NEOPLASMS OF SKIN	3	1	4	1	2	1	6	5
_____(77) MALIGNANT MELANOMA OF SKIN	2	1	3	1	1	1	2	5
_____(78) OTHER MALIGNANT NEOPLASMS OF SKIN	1	-	1	-	1	-	4	-
___MALIGNANT NEOPLASMS OF MESOTHELIAL AND SOFT TISSUE	1	-	5	3	-	1	-	1
_____(79) MESOTHELIOMA	1	-	5	1	-	1	-	1
_____(81) OF OTHER MESOTHELIAL AND SOFT TISSUE	-	-	-	2	-	-	-	-
___(82) MALIGNANT NEOPLASM OF BREAST	-	12	-	15	-	17	1	19
___MALIGNANT NEOPLASMS OF FEMALE GENITAL ORGANS	-	13	-	12	-	11	-	22
_____(83) OF VULVA AND VAGINA	-	-	-	-	-	-	-	4

* LIST OF 358 SELECTED UNDERLYING CAUSES OF DEATH. LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES SHOWN IN FIGURE 2.

TABLE D-1 (CONTINUED)

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2003

CAUSE OF DEATH*	70 - 74 YEARS		75 - 79 YEARS		80 - 84 YEARS		85 OR OLDER	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
_____(84) OF CERVIX UTERI	-	1	-	1	-	2	-	3
_____(85) OF CORPUS UTERI AND UTERUS, PART UNSPECIFIED	-	4	-	5	-	2	-	3
_____(86) OF OVARY	-	7	-	6	-	7	-	12
_____(87) OF OTHER AND UNSPECIFIED FEMALE GENITAL ORGANS	-	1	-	-	-	-	-	-
___MALIGNANT NEOPLASMS OF MALE GENITAL ORGANS	13	-	18	-	28	-	31	-
_____(89) OF PROSTATE	13	-	17	-	28	-	30	-
_____(90) OF TESTIS	-	-	-	-	-	-	1	-
_____(91) OF PENIS AND OTHER AND UNSPECIFIED MALE GENITAL ORGANS	-	-	1	-	-	-	-	-
___MALIGNANT NEOPLASMS OF URINARY TRACT	12	1	5	5	10	8	11	12
_____(92) OF KIDNEY AND RENAL PELVIS	7	-	3	3	2	4	3	6
_____(93) OF BLADDER	5	1	1	2	7	4	8	5
_____(94) OF OTHER AND UNSPECIFIED SITES WITHIN THE URINARY TRACT	-	-	1	-	1	-	-	1
___MALIGNANT NEOPLASMS OF MENINGES, BRAIN AND OTHER PARTS OF CENTRAL NERVOUS SYSTEM	4	4	2	2	2	1	1	1
_____(96) OF BRAIN	4	4	2	2	2	1	1	1
___(98) MALIGNANT NEOPLASMS OF THYROID AND OTHER ENDOCRINE GLANDS	1	-	-	1	-	-	-	2
___(99) OTHER MALIGNANT NEOPLASMS OF OTHER AND UNSPECIFIED SITES	10	7	17	9	10	13	11	21
___MALIGNANT NEOPLASMS OF LYMPHOID, HEMATOPOIETIC AND RELATED TISSUE	19	8	15	19	22	16	23	25
_____(100) HODGKIN'S DISEASE	-	-	-	-	-	1	-	-
_____OF OTHER LYMPHOID, HEMATOPOIETIC AND RELATED TISSUE	9	4	6	7	9	7	9	9
_____(101) NON-HODGKIN'S LYMPHOMA	9	4	6	7	9	7	9	9
_____(103) MALIGNANT IMMUNOPROLIFERATIVE DISEASES	-	-	-	-	-	-	-	1
_____(104) MULTIPLE MYELOMA AND MALIGNANT PLASMA CELL NEOPLASMS	3	1	7	8	3	3	2	3
_____LEUKEMIA	7	3	2	4	10	5	12	12
_____(105) LYMPHOID LEUKEMIA	3	-	1	1	1	-	6	3
_____(106) MYELOID LEUKEMIA	1	2	1	2	6	4	5	5
_____(107) MONOCYTIC LEUKEMIA	-	-	-	-	-	-	-	-
_____(108) OTHER AND UNSPECIFIED LEUKEMIA	3	1	-	1	3	1	1	4
__BENIGN NEOPLASMS	-	-	-	2	-	-	1	2
___(112) OF EYE, BRAIN AND OTHER PARTS OF CENTRAL NERVOUS SYSTEM	-	-	-	2	-	-	1	2
___(113) OF OTHER AND UNSPECIFIED SITES	-	-	-	-	-	-	-	-
__(114) NEOPLASMS OF UNCERTAIN OR UNKNOWN BEHAVIOR OF SPECIFIED SITES	5	-	11	3	4	4	14	8
__(115) NEOPLASM OF UNCERTAIN OR UNKNOWN BEHAVIOR OF UNSPECIFIED SITES	-	-	-	-	-	1	-	4
DISEASES OF THE BLOOD AND BLOOD FORMING ORGANS AND CERTAIN DISORDERS INVOLVING THE IMMUNE MECHANISM	**1**	**-**	**3**	**1**	**1**	**1**	**4**	**13**
__ANEMIAS	1	-	3	-	-	1	2	9
___(116) NUTRITIONAL ANEMIAS	-	-	1	-	-	-	-	2
___(117) HEMOLYTIC ANEMIAS	-	-	-	-	-	1	-	-
___(118) APLASTIC ANEMIAS	-	-	-	-	-	-	1	3
___(119) ACUTE POSTHEMORRHAGIC AND OTHER ANEMIAS	1	-	2	-	-	-	1	4
__(120) COAGULATION DEFECTS, PURPURA AND OTHER HEMORRHAGIC CONDITIONS	-	-	-	1	-	-	-	1
__(121) OTHER DISEASES OF BLOOD AND BLOOD-FORMING ORGANS	-	-	-	-	-	-	2	3
__(122) CERTAIN DISORDERS INVOLVING THE IMMUNE MECHANISM	-	-	-	-	1	-	-	-
ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES	**20**	**13**	**22**	**24**	**29**	**20**	**33**	**62**
__ENDOCRINE DISEASES	15	9	20	19	23	16	26	43
___(123) DISORDERS OF THYROID GLAND	-	-	-	-	-	-	-	2
___(124) DIABETES MELLITUS	15	9	20	19	23	16	26	40
___(126) DISORDERS OF ADRENAL GLANDS	-	-	-	-	-	-	-	1
__NUTRITIONAL DISEASES	3	1	-	2	1	-	2	11
___MALNUTRITION	2	1	-	2	1	-	2	10
_____(130) OTHER AND UNSPECIFIED MALNUTRITION	2	1	-	2	1	-	2	10
___(132) OBESITY AND OTHER HYPERALIMENTATION	1	-	-	-	-	-	-	1
__METABOLIC DISORDERS	2	3	2	3	5	4	5	8
___(133) CYSTIC FIBROSIS	-	-	-	-	-	-	-	-
___(134) VOLUME DEPLETION, DISORDERS OF FLUID, ELECTROLYTE AND ACID-BASE BALANCE	1	-	1	2	1	3	4	6
___(135) OTHER METABOLIC DISORDERS	1	3	1	1	4	1	1	2
MENTAL AND BEHAVIORAL DISORDERS	**7**	**5**	**7**	**12**	**10**	**25**	**36**	**106**
__(136) ORGANIC DEMENTIA	4	1	5	11	6	22	34	97
__(137) OTHER AND UNSPECIFIED ORGANIC MENTAL DISORDERS	-	-	-	-	1	2	1	1
__MENTAL AND BEHAVIORAL DISORDERS DUE TO PSYCHOACTIVE SUBSTANCE USE	3	4	2	1	2	1	1	1
___(138) MENTAL AND BEHAVIORAL DISORDERS DUE TO USE OF ALCOHOL	2	2	1	1	1	-	-	-
___(139) MENTAL AND BEHAVIORAL DISORDERS DUE TO OTHER PSYCHOACTIVE SUBSTANCE USE	1	2	1	-	1	1	1	1

* LIST OF 358 SELECTED UNDERLYING CAUSES OF DEATH. LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES SHOWN IN FIGURE 2.

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2003

CAUSE OF DEATH*	70 - 74 YEARS		75 - 79 YEARS		80 - 84 YEARS		85 OR OLDER	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
__(141) MOOD (AFFECTIVE) DISORDERS	-	-	-	-	-	-	-	5
__(142) NEUROTIC, STRESS-RELATED AND SOMATOFORM DISORDERS	-	-	-	-	1	-	-	-
__(143) MENTAL RETARDATION	-	-	-	-	-	-	-	-
__(144) OTHER AND UNSPECIFIED MENTAL AND BEHAVIORAL DISORDERS	-	-	-	-	-	-	-	2
DISEASES OF THE NERVOUS SYSTEM	**15**	**13**	**30**	**25**	**26**	**46**	**55**	**125**
__(145) MENINGITIS	-	-	-	-	-	-	-	-
__(146) OTHER INFLAMMATORY DISEASES OF CENTRAL NERVOUS SYSTEM	-	-	-	1	-	-	-	-
__(147) PARKINSON'S DISEASE	4	3	11	6	10	8	13	17
__(148) ALZHEIMER'S DISEASE	6	6	13	11	16	36	37	103
__(149) MULTIPLE SCLEROSIS	-	1	-	1	-	-	-	1
__(150) EPILEPSY	-	-	-	-	-	-	-	-
__(152) INFANTILE CEREBRAL PALSY	-	-	-	-	-	-	-	-
__(153) ALL OTHER DISEASES OF NERVOUS SYSTEM	5	3	6	6	-	2	5	4
(154) DISEASES OF THE EYE AND ADNEXA	-	-	-	-	-	-	-	1
(155) DISEASES OF THE EAR AND MASTOID PROCESS	-	-	-	-	-	-	-	-
DISEASES OF THE CIRCULATORY SYSTEM	**142**	**99**	**212**	**135**	**246**	**242**	**387**	**666**
__ACUTE RHEUMATIC FEVER AND CHRONIC RHEUMATIC HEART DISEASE	1	4	-	2	1	-	-	3
___CHRONIC RHEUMATIC HEART DISEASES	1	4	-	2	1	-	-	3
_____157) RHEUMATIC MITRAL VALVE DISEASE	1	-	-	1	1	-	-	1
_____(158) RHEUMATIC AORTIC VALVE DISEASE	-	-	-	-	-	-	-	-
_____(159) DISORDERS OF BOTH MITRAL AND AORTIC VALVES	-	1	-	-	-	-	-	2
_____(160) OTHER CHRONIC RHEUMATIC HEART DISEASE	-	3	-	1	-	-	-	-
__HYPERTENSIVE DISEASES	1	4	4	6	2	7	17	41
___(161) ESSENTIAL (PRIMARY) HYPERTENSION	-	3	2	-	-	-	4	15
___(162) HYPERTENSIVE HEART DISEASE	-	1	-	3	-	5	7	23
___(163) HYPERTENSIVE RENAL DISEASE	1	-	2	1	2	2	4	3
___(164) HYPERTENSIVE HEART AND RENAL FAILURE	-	-	-	2	-	-	2	-
__ISCHEMIC HEART DISEASES	81	43	106	48	130	84	165	213
___(165) ACUTE MYOCARDIAL INFARCTION	27	25	32	22	45	41	62	80
___(166) OTHER ACUTE ISCHEMIC HEART DISEASES	-	-	-	-	1	-	-	2
___OTHER FORMS OF CHRONIC ISHCEMIC HEART DISEASE	54	18	74	26	84	43	103	131
_____(167(ATHEROSCLEROTIC CARDIOVASCULAR DISEASE, SO DESCRIBED	9	5	13	7	14	8	15	32
_____(168) ALL OTHER FORMS OF CHRONIC ISCHEMIC HEART DISEASE	45	13	61	19	70	35	88	99
__OTHER HEART DISEASES	35	20	41	38	45	69	102	187
___PULMONARY HEART DISEASE AND DISEASES OF PULMONARY CIRCULATION	5	3	5	4	-	9	5	6
_____(169) PULMONARY EMBOLISM	1	1	2	1	-	2	4	1
_____(170) OTHER PULMONARY HEART DISEASE AND DISEASES OF PULMONARY CIRCULATION	4	2	3	3	-	7	1	5
___OTHER NON-PULMONARY FORMS OF HEART DISEASE	30	17	36	34	45	60	97	181
_____(171) ACUTE AND SUBACUTE ENDOCARDITIS	1	-	-	-	-	-	2	-
_____(172) DISEASES OF PERICARDIUM AND ACUTE MYOCARDITIS	-	-	-	-	-	-	-	-
_____OTHER DISEASES OF ENDOCARDIUM	1	1	5	4	7	12	13	32
_____(173) NONRHEUMATIC MITRAL VALVE DISORDERS	-	-	-	-	-	3	1	3
_____(174) NONRHEUMATIC AORTIC VALVE DISORDERS	1	-	2	4	2	6	10	20
_____(175) ALL OTHER DISEASES OF ENDOCARDIUM	-	1	3	-	5	3	2	9
_____(176) CARDIOMYOPATHY	1	5	4	2	6	3	7	3
_____(177) CONDUCTION DISORDERS AND CARDIAC DYSRHYTHMIAS	9	3	12	8	10	8	18	28
_____HEART FAILURE	13	8	13	18	13	32	52	114
_____(178) CONGESTIVE HEART FAILURE	10	7	11	16	12	31	49	106
_____(179) OTHER AND UNSPECIFIED HEART FAILURE	3	1	2	2	1	1	3	8
_____(180) MYOCARDITIS, UNSPECIFIED AND MYOCARDIAL DEGENERATION	-	-	-	-	-	-	1	-
_____(181) ALL OTHER AND ILL-DEFINED FORMS OF HEART DISEASE	5	-	2	2	9	5	4	4
__CEREBROVASCULAR DISEASE	18	22	41	32	59	61	77	188
___(182) SUBARACHNOID HEMORRHAGE	-	4	1	1	-	-	1	3
___(183) INTRACEREBRAL AND OTHER INTRACRANIAL HEMORRHAGE	7	6	5	5	5	7	7	13
___(184) CEREBRAL INFARCTION	2	3	2	3	4	3	4	11
___(185) STROKE, NOT SPECIFIED AS HEMORRHAGE OR INFARCTION	8	5	19	17	31	36	50	126
___(186) OTHER CEREBROVASCULAR DISEASES AND THEIR SEQUELAE	1	4	14	6	19	15	15	35
__DISEASES OF ARTERIES, ARTERIOLES AND CAPILLARIES	6	6	20	7	9	19	23	31
___(187) ATHEROSCLEROSIS	1	2	3	-	2	3	13	20
___(188) AORTIC ANEURYSM AND DISSECTION	3	2	14	4	5	10	6	6

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TABLE D-1 (CONTINUED)

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2003

CAUSE OF DEATH*	70 - 74 YEARS		75 - 79 YEARS		80 - 84 YEARS		85 OR OLDER	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
(189) OTHER DISEASES OF ARTERIES, ARTERIOLES AND CAPILLARIES	2	2	3	3	2	6	4	5
OTHER DISORDERS OF CIRCULATORY SYSTEM	-	-	-	2	-	2	3	3
(190) PHLEBITIS, THROMBOPHLEBITIS, VENOUS EMBOLISM AND THROMBOSIS	-	-	-	2	-	-	-	1
(191) ALL OTHER AND UNSPECIFIED DISORDERS OF CIRCULATORY SYSTEM	-	-	-	-	-	2	3	2
DISEASES OF THE RESPIRATORY SYSTEM	**51**	**78**	**89**	**65**	**117**	**97**	**132**	**204**
OTHER DISEASES OF THE RESPIRATORY SYSTEM	51	78	89	65	117	97	132	204
(195) INFLUENZA	-	3	-	-	4	-	3	6
PNEUMONIA	7	7	11	9	22	18	47	93
(196) VIRAL PNEUMONIA, NOT ELSEWHERE CLASSIFIED	-	-	-	-	-	-	-	-
(197) BACTERIAL PNEUMONIA	-	3	-	1	1	1	1	2
(198) PNEUMONIA DUE TO OTHER OR UNSPECIFIED ORGANISMS	7	4	11	8	21	17	46	91
OTHER ACUTE LOWE RESPIRATORY INFECTIONS	-	-	-	-	-	-	-	1
(2000 UNSPECIFIED ACUTE LOWER RESPIRATORY INFECTION	-	-	-	-	-	-	-	1
(201) OTHER DISEASES OF UPPER RESPIRATORY TRACT	-	-	-	-	-	-	1	-
CHRONIC LOWER RESPIRATORY DISEASE	38	60	64	43	70	60	55	74
BRONCHITIS, CHRONIC AND UNSPECIFIED, EMPHYSEMA AND ASTHMA	38	59	64	43	69	59	55	73
(202) BRONCHITIS, NOT SPECIFIED AS ACUTE OR CHRONIC	-	-	-	-	-	1	-	1
(203) CHRONIC BRONCHITIS	-	-	-	1	-	-	-	1
(204) EMPHYSEMA	6	6	8	5	9	6	6	5
(205) OTHER CHRONIC OBSTRUCTIVE PULMONARY DISEASE	31	52	56	35	59	52	47	64
(206) ASTHMA	1	1	-	2	1	-	2	2
(207) BRONCHIECTASIS	-	1	-	-	1	1	-	1
LUNG DISEASES DUE TO EXTERNAL AGENTS	3	2	8	4	11	7	18	15
(208) PNEUMONCONIOSES AND CHEMICAL EFFECTS	1	-	1	-	2	-	3	1
PNEUMONITIS DUE TO SOLIDS AND LIQUIDS	2	2	7	4	9	7	15	14
(209) PNEUMONITIS DUE TO FOOD AND VOMIT	2	2	7	4	9	7	15	14
(212) SUPPURATIVE AND NECROTIC CONDITIONS OF LOWER RESPIRATORY TRACT	-	-	-	-	-	-	1	-
(213) PLEURAL EFFUSION AND PLAQUE	-	1	1	1	-	1	-	1
(214) ALL OTHER DISEASES OF RESPIRATORY SYSTEM	3	5	5	8	10	11	7	14
DISEASES OF THE DIGESTIVE SYSTEM	**9**	**15**	**10**	**17**	**10**	**19**	**35**	**61**
DISEASES OF OTHER PARTS OF DIGESTIVE SYSTEM	9	15	10	17	10	19	35	61
(216) DISEASES OF ESOPHAGUS	-	-	-	-	1	-	4	6
PEPTIC ULCER	-	1	1	-	-	-	2	3
(217) GASTRIC ULCER	-	-	-	-	-	-	-	2
(218) DUODENAL ULCER	-	1	-	-	-	-	-	1
(219) PEPTIC ULCER, SITE UNSPECIFIED	-	-	1	-	-	-	2	-
(221) GASTRITIS AND DUODENITIS	-	-	-	-	-	-	-	1
(222) DYSPEPSIA AND OTHER DISEASES OF STOMACH AND DUODENUM	-	-	-	-	-	-	1	-
(223) DISEASES OF APPENDIX	-	-	-	-	-	1	-	-
(224) HENIA	-	-	1	1	-	1	2	3
(225) CROHN'S DISEASE AND ULCERATIVE COLITIS	-	1	-	-	-	-	2	-
(226) VASCULAR DISORDERS AND OBSTRUCTION OF INTESTINE WITHOUT HERNIA	2	4	1	6	3	11	7	15
(227) DIVERTICULAR DISEASE OF INTESTINE	2	-	-	2	1	-	1	2
(228) OTHER DISEASES OF INTESTINES AND PERITONEUM	1	-	3	1	1	1	1	4
(229) DISEASES OF PERITONEUM	-	-	-	-	-	-	1	2
DISEASES OF LIVER	3	4	3	7	2	2	5	5
(230) ALCHOLIC LIVER DISEASE	2	1	1	1	1	-	-	-
(232) FIBROSIS AND CIRRHOSIS OF LIVER	-	2	2	4	1	1	4	4
(233) OTHER DISEASES OF LIVER	1	1	-	2	-	1	1	1
(234) CHOLELITHIASIS AND OTHER DISORDERS OF GALLBLADDER	-	1	-	-	1	-	-	2
DISORDERS OF BILIARY TRACT AND PANCREAS	-	2	-	-	-	1	2	5
(235) PANCREATITIS	-	1	-	-	-	1	-	1
(236) OTHER DISORDERS OF BILIARY TRACT AND PANCREAS	-	1	-	-	-	-	2	4
(237) ALL OTHER DISEASES OF DIGESTIVE SYSTEM	1	2	1	-	1	2	7	13
DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE	**1**	-	-	-	-	**3**	**2**	**4**
(238) INFECTIONS OF SKIN AND SUBCUTANEOUS TISSUE	1	-	-	-	-	2	1	3
(239) OTHER AND UNSPECIFIED DISEASES OF SKIN AND SUBCUTANEOUS TISSUE	-	-	-	-	-	1	1	1
DISEASES OF THE MUSCUOLSKELETAL SYSTEM AND CONNECTIVE TISSUE	**2**	**5**	**4**	**1**	**1**	**5**	**5**	**21**
(240) RHEUMATOID ARTHRITIS AND RELATED INFLAMMATORY POLYARTHROPATHIES	2	2	1	-	-	1	1	2
(241) SYSTEMIC LUPUS ERYTHEMATOSUS	-	-	-	-	-	-	1	-

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MONTANA RESIDENTS, 2003

CAUSE OF DEATH*	70 - 74 YEARS		75 - 79 YEARS		80 - 84 YEARS		85 OR OLDER	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
__(242) OTHER ARTHROPATHIES AND RELATED DISORDERS	-	1	2	1	1	-	3	8
__(243) DORSOPATHIES	-	-	-	-	-	2	-	-
__(244) SOFT TISSUE DISORDERS	-	-	-	-	-	-	-	1
__OSTEOPATHIES, CHRONDROPATHIES AND OTHER DISORDERS OF MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE	-	2	1	-	-	2	-	10
___(245) OSTEOPOROSIS	-	-	-	-	-	1	-	8
DISEASES OF THE GENITOURINARY SYSTEM	**7**	**4**	**11**	**9**	**11**	**5**	**30**	**48**
__DISEASES OF URINARY SYSTEM	7	4	11	9	11	5	26	48
___GLOMERULAR AND RENAL TUBULO-INTERSTITIAL DISEASES	-	-	-	2	-	-	1	3
_____GLOMERULAR DISEASES	-	-	-	-	-	-	-	-
_____(248) NEPHROTIC SYNDROME	-	-	-	-	-	-	-	-
_____(250) RENAL TUBULO-INTERSTITIAL DISEASES	-	-	-	2	-	-	1	3
___(251) RENAL FAILURE	6	3	9	6	10	3	17	26
___(252) UROLITHIASIS	-	-	-	-	-	-	-	-
___(254) URINARY TRACT INFECTIONS, SITE NOT SPECIFED	-	-	1	1	1	2	7	19
___(255) OTHER DISEASES OF URINARY TRACT	1	1	1	-	-	-	1	-
__DISEASES OF MALE GENITAL ORGANS	-	-	-	-	-	-	4	-
___(256) HYPERPLASIA OF PROSTATE	-	-	-	-	-	-	4	-
___(257) OTHER DISEASES OF MALE GENITAL ORGANS	-	-	-	-	-	-	-	-
__DISORDERS OF FEMALE GENITAL ORGANS	-	-	-	-	-	-	-	-
___(260) NONINFLAMMATORY DISORDERS OF FEMALE GENITAL TRACT	-	-	-	-	-	-	-	-
__(272) OTHER DEATHS RELATED TO PREGNANCY, CHILDBIRTH AND THE PUERPERIUM	-	-	-	-	-	-	-	-
__(273) INDIRECT OBSTETRIC DEATHS	-	-	-	-	-	-	-	-
CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	-	-	-	-	-	-	-	-
__(274) NEWBORN AFFECTED BY MATERNAL FACTORS AND BY COMPLICATIONS OF PREGNANCY, LABOR AND DELIVERY	-	-	-	-	-	-	-	-
__(275) DISORDERS RELATED TO SHORT GESTATION AND LOW BIRTH WEIGHT, NOT ELSEWHERE CLASSIFIED	-	-	-	-	-	-	-	-
__(276) BIRTH TRAUMA	-	-	-	-	-	-	-	-
__(278) RESPIRATORY DISTRESS OF NEWBORN	-	-	-	-	-	-	-	-
__(279) OTHER RESPIRATORY CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	-	-	-	-	-	-	-	-
__(280) INFECTIONS SPECIFIC TO THE PERINATAL PERIOD	-	-	-	-	-	-	-	-
__(281) OTHER AND UNSPECIFIED CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	-	-	-	-	-	-	-	-
CONGENITAL MALFORMATIONS, DEFORMATIONS AND CHROMOSOMAL ABNORMALITIES	-	1	-	-	-	-	1	1
__(284) ALL OTHER CONGENITAL MALFORMATIONS OF NERVOUS SYSTEM	-	-	-	-	-	-	-	-
__(285(CONGENITAL MALFORMATIONS OF HEART	-	-	-	-	-	-	-	1
__(286) OTHER CONGENITAL MALFORMATIONS OR CIRCULATORY SYSTEM	-	-	-	-	-	-	1	-
__(288) OTHER CONGEITAL MALFORMATIONS AND DEFORMATIONS	-	1	-	-	-	-	-	-
__(289) DOWN'S SYNDROME	-	-	-	-	-	-	-	-
__(290) ALL OTHER CHROMOSOMAL ABNORMALITIES, NOT ELSEWHERE CLASSIFIED	-	-	-	-	-	-	-	-
SYMPTOMS, SIGNS AND ABNORMAL CLINICAL AND LABORATORY FINDINGS, NOT ELSEWHERE CLASSIFIED	**5**	**4**	**4**	**1**	**5**	**10**	**28**	**67**
__(291) SENILITY	-	-	-	-	1	3	9	37
__ILL-DEFINED AND UNKNOWN CAUSE OR MORTALITY	4	2	1	1	3	3	12	18
___(292) SUDDEN INFANT DEATH SYNDROME	-	-	-	-	-	-	-	-
___(293) OTHER ILL-DEFINED AND UNKNOWN CAUSES OF MORTALITY	4	2	1	1	3	3	12	18
__(294) ALL OTHER SYMPTOMS, SIGNS AND ABNORMAL CLINICAL AND LABORATORY FINDINGS, NOT ELSEWHERE CLASSIFIED	1	2	3	-	1	4	7	12
EXTERNAL CAUSES OF MORTALITY	**20**	**4**	**21**	**18**	**19**	**21**	**37**	**39**
__ACCIDENTS	11	4	17	18	17	15	26	35
___TRANSPORT ACCIDENTS	7	2	6	7	4	1	3	3
_____(295) RAILWAY ACCIDENTS	-	-	-	-	-	-	-	-
_____MOTOR VEHICLE ACCIDENTS	7	2	5	7	4	1	3	3
_____(296) PEDESTRIAN COLLISION WITH MOTOR VEHICLE	-	-	-	2	-	-	-	-
_____(297) PEDALCYCLIST COLLISION WITH MOTOR VEHICLE	1	-	-	-	-	-	-	-
_____(298) MOTORCYCLIST ANY ACCIDENT EXCEPT COLLISION WITH RAILWY CAR	2	-	-	-	1	-	-	-
_____MOTOR VEHICLE ACCIDENT WITH RAILWAY TRAIN	-	-	-	-	-	-	1	-
_____(300) OTHER MOTOR VEHICLE. COLLISION WITH RAILWAY TRAIN	-	-	-	-	-	-	1	-
_____(301) MOTOR VEHICLE. COLLISION WITH OTHER (NON-MOTORIZED) ROAD VEHICLE, STREETCAR, ANIMAL OR PEDESTRIN	1	-	-	-	-	-	1	1
_____(302) CAR, PICKUP TRUCK OR VAN COLLISION WITH OTHER MOTOR VEHICLE	1	1	3	3	1	1	-	1
_____(303) HEAVY TRANSPORT VEHICLE OR BUS COLLISION WITH OTHER MOTOR VEHICLE	-	-	1	-	-	-	-	-
_____(304) MOTOR VEHICLE NONCOLLISION ACCIDENT	2	-	-	-	2	-	-	-
_____(305) SPECIAL-USE MOTOR VEHICLE ANY ACCIDENT	-	-	-	-	-	-	1	-
_____(306) OTHER AND UNSPECIFIED MOTOR VEHICLE ACCIDENTS	-	1	1	2	-	-	-	1
_____(308) OTHER AND UNSPECIFIED LAND TRANSPORT ACCIDENTS	-	-	-	-	-	-	-	-

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TABLE D-1 (CONCLUDED)

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2003

CAUSE OF DEATH*	70 - 74 YEARS		75 - 79 YEARS		80 - 84 YEARS		85 OR OLDER	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
_____(309) WATER TRANSPORT ACCIDENTS	-	-	1	-	-	-	-	-
_____(310) AIR AND SPACE TRANSPORT ACCIDENTS	-	-	-	-	-	-	-	-
_____(311) OTHER AND UNSPECIFIED TRANSPORT ACCIDENTS AND THEIR SEQUELAE	-	-	-	-	-	-	-	-
___FALLS	3	1	6	5	6	6	10	17
_____(312) FALL ON SAME LEVEL	3	1	3	2	4	2	3	7
_____(313) FALL FROM ONE LEVEL TO ANOTHER	-	-	-	1	2	2	-	2
_____(314) UNSPECIFIED FALL	-	-	3	2	-	2	7	8
___(315) ACCIDENTAL DISCHARGE OF FIREARMS	-	-	-	-	-	-	-	-
___(317) ACCIDENTAL DROWNING AND SUBMERSION	-	-	-	-	-	1	1	-
___(318) ACCIDENTAL INHALATION AND INGESTION OF FOOD OR OTHER OBJECTS CAUSING OBSTRUCTION OF RESPIRATORY TRACT	0	-	1	2	1	2	1	1
___(319) OTHER ACCIDENTAL AND UNSPECIFIED THREATS TO BREATHING	-	-	-	-	-	-	-	-
___(320) ACCIDENTAL EXPOSURE TO ELECTRIC CURRENT	-	-	-	-	-	-	-	-
___(322) ACCIDENTAL EXPOSURE TO SMOKE, FIRE AND FLAMES	-	-	1	1	-	1	-	1
___(323) ACCIDENTAL CONTACT WITH HEAR AND HOT SUBSTANCES	-	-	-	-	-	-	-	-
___(325) EARTHQUAKE, VOLCANIC ERUPTION, AVALANCHE, LANDSLIDE AND OTHER EARTH MOVEMENTS	-	-	-	-	-	-	-	-
___ACCIDENTAL POISONING AND EXPOSURE TO NOXIOUS SUBSTANCES	-	-	-	-	2	-	-	-
_____(327) BY AND EXPOSURE TO DRUGS AND OTHER BIOLOGICAL SUBSTANCES	-	-	-	-	2	-	-	-
_____(328) BY AND EXPOSURE TO OTHER AND UNSPECIFIED SOLID OR LIQUID SUBSTANCES	-	-	-	-	-	-	-	-
_____(329) BY AND EXPOSURE TO OTHER GASES AND VAPORS	-	-	-	-	-	-	-	-
___(330) ALL OTHER AND UNSPECIFIED ACCIDENTS AND THEIR SEQUELAE	1	1	3	3	4	4	11	13
__INTENTIONAL SELF-HARM AND SELF-POISONING (SUICIDE)	8	-	4	-	2	-	9	2
___(331) POISONING BY AND EXPOSURE TO DRUGS AND OTHER BIOLOGICAL SUBSTANCES	-	-	-	-	-	-	1	-
___(332) POISONING BY AND EXPOSURE TO OTHER AND UNSPECIFIED SOLID OR LIQUID SUBSTANCES AND THEIR VAPORS	-	-	-	-	-	-	-	-
___(333) POISONING BY AND EXPOSURE TO GASES AND VAPORS	-	-	-	-	-	-	-	1
___(334) BY HANGING, STRANGULATION AND SUFFOCATION	-	-	-	-	1	-	-	-
___(335) BY DISCHARGE OF FIREARMS	8	-	4	-	1	-	8	1
___(337) BY ALL OTHER AND UNSPECIFIED MEANS AND THEIR SEQUELAE	-	-	-	-	-	-	-	-
__ASSAULT (HOMICIDE)	-	-	-	-	-	-	-	-
___(338) BY DRUGS, BIOLOGICAL SUBSTANCES AND OTHER AND UNSPECIFIED NOXIOUS SUBSTANCES	-	-	-	-	-	-	-	-
___(339) BY HANGING, STRANGULATION AND SUFFOCATION	-	-	-	-	-	-	-	-
___(340) BY DISCHARGE OF FIREARMS	-	-	-	-	-	-	-	-
___(341) BY SHARP OBJECT	-	-	-	-	-	-	-	-
___(342) BY BLUNT OBJECT	-	-	-	-	-	-	-	-
___(343) BY BODILY FORCE	-	-	-	-	-	-	-	-
___(346) ASSAULT (HOMICIDE) BY ALL OTHER AND UNSPECIFIED MEANS AND THEIR SEQUELAE	-	-	-	-	-	-	-	-
__EVENT OF UNDETERMINED INTENT	-	-	-	-	-	-	1	-
___(347) POISONING BY AND EXPOSURE TO DRUGS AND BIOLOGICAL SUBSTANCES, UNDTERMINED INTENT	-	-	-	-	-	-	-	-
___(348) POISONING BY AND EXPOSURE TO OTHER AND UNSPECIFIED SOLID OR LIQUID SUBSTANCES	-	-	-	-	-	-	-	-
___(352) ALL OTHER AND UNSPECIFIED EVENTS OF UNDETERMINED INTENT AND THEIR SEQUELAE	-	-	-	-	-	-	1	-
__COMPLICATIONS OF MEDICAL AND SURGICAL CARE	1	-	-	-	-	6	1	2
___(356)DRUGS, MEDICAMENTS AND BIOLOGICAL SUBSTANCES CAUSING ADVERSE EFFECTS IN THERAPEUTIC USE, AND THEIR SEQUELAE	-	-	-	-	-	1	-	-
___(358) OTHER COMPLICATIONS OF MEDICAL AND SURGICAL CARE AND THEIR SEQUELAE	1	-	-	-	-	5	1	2

* LIST OF 358 SELECTED UNDERLYING CAUSES OF DEATH. LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES SHOWN IN FIGURE 2.

TABLE D-2

FREQUENCY OF DEATH BY SEX, RACE*, AND UP TO 113 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2003

CAUSE OF DEATH**	TOTAL				MALE				FEMALE			
	TOTAL	WHITE	Nat.Am.	OTHER	TOTAL	WHITE	Nat.Am.	OTHER	TOTAL	WHITE	Nat.Am.	OTHER
ALL CAUSES	8,445	7,207	402	836	4,332	3,649	231	452	4,113	3,558	171	384
__(3) CERTAIN OTHER INTESTINAL INFECTIONS	6	6	-	-	3	3	-	-	3	3	-	-
__(#) TUBERCULOSIS	1	-	1	-	1	-	1	-	-	-	-	-
__(4) RESPIRATORY TUBERCULOSIS	1	-	1	-	1	-	1	-	-	-	-	-
__(##) SEPTICEMIA	87	87	9	11	32	23	5	4	55	44	4	7
__(14#) VIRAL HEPATITIS	14	10	3	1	11	9	2	-	3	1	1	1
__(15#) HUMAN IMMUNODEFICIENCY VIRUS (HIV)	5	5	-	-	5	5	-	-	-	-	-	-
__(17) OTHER AND UNSPECIFIED INFECTIOUS AND PARASITIC DISEASES AND THEIR SEQUELAE	32	29	1	2	22	20	1	1	10	9	-	1
(#) MALIGNANT NEOPLASMS	1,838	1,596	58	184	961	842	24	95	877	754	34	89
__(18) MALIGNANT NEOPLASMS OF LIP, ORAL CAVITY AND PHARYNX	23	21	-	2	17	15	-	2	6	6	-	-
__(19) MALIGNANT NEOPLASM OF ESOPHAGUS	47	45	-	2	36	34	-	2	11	11	-	-
__(20) MALIGNANT NEOPLASM OF STOMACH	34	30	3	1	16	15	-	1	18	15	3	-
__(21) MALIGNANT NEOPLASMS OF COLON, RECTUM AND ANUS	164	141	4	19	78	69	1	8	86	72	3	11
__(22) MALIGNANT NEOPLASMS OF LIVER AND INTRAHEPTIC BILE DUCTS	36	27	2	7	27	21	1	5	9	6	1	2
__(23) MALIGNANT NEOPLASMS OF PANCREAS	89	74	5	10	48	40	2	6	41	34	3	4
__(24) MALIGNANT NEOPLASM OF LARYNX	11	11	-	-	6	6	-	-	5	5	-	-
__(25) MALIGNANT NEOPLASMS OF TRACHEA, BRONCHUS AND LUNG	534	458	20	56	298	258	8	32	236	200	12	24
__(26) MALIGNANT MELANOMA OF SKIN	35	33	-	2	20	19	-	1	15	14	-	1
__(27) MALIGNANT NEOPLASM OF BREAST	116	104	2	10	1	1	-	-	115	103	2	10
__(28) MALIGNANT NEOPLASM OF CERVIX UTERI	12	10	1	1	-	-	-	-	12	10	1	1
__(29) MALIGNANT NEOPLASMS OF CORPUS UTERI AND UTERUS,PART UNSPECIFIED	20	17	-	3	-	-	-	-	20	17	-	3
__(30) MALIGNANT NEOPLASM OF OVERY	50	41	1	8	-	-	-	-	50	41	1	8
__(31) MALIGNANT NEOPLASM OF PROSTRATE	109	98	3	8	109	98	3	8	-	-	-	-
__(32) MALIGNANT NEOPLASMS OF KIDNEY AND RENAL PELVIS	42	36	3	3	27	22	3	2	15	14	-	1
__(33) MALIGNANT NEOPLASM OF BLADDER	47	42	-	5	34	30	-	4	13	12	-	1
__(34) MALIGNANT NEOPLASMS OF MENINGES, BRAIN AND OTHER PARTS OF CENTRAL NERVOUS SYSTEM	54	51	1	2	29	26	1	2	25	25	-	-
MALIGNANT NEOPLASMS OF LYMPHOID, HEMOPOIETIC AND RELATED TISSUE	206	174	4	28	110	95	1	14	96	79	3	14
__(35) HODGKIN'S DISEASE	4	4	-	-	1	1	-	-	3	3	-	-
__(36) NON-HODGKIN'S LYMPHOMIA Non-Hodgkin's lymphoma	80	70	2	8	40	36	1	3	40	34	1	5
__(37) LEUKEMIA	77	60	2	15	44	36	-	8	33	24	2	7
__(38) MULTIPLE MYELOMA AND IMMUNOPROLIFERATIVE NEOPLASMS	45	40	-	5	25	22	-	3	20	18	-	2
__(40) ALL OTHER AND UNSPECIFIED MALIGNANT NEOPLASMS	209	183	9	17	105	93	4	8	104	90	5	9
__(41#) IN SITUE NEOPLASMS, BENIGN NEOPLASMS AND NEOPLASMS OF UNCERTAIN OR UNKNOWN BEHAVIOR	71	65	1	5	42	36	1	5	29	29	-	-
__(42#) ANEMIAS	19	18	-	1	7	7	-	-	12	11	-	1
__(43#) DIABETES MELLITUS	263	210	27	26	138	107	18	13	125	103	11	11
(#) NUTRITIONAL DEFICIENCIES	18	16	-	2	5	5	-	-	13	11	-	2
__(44) MALNUTRITION	18	16	-	2	5	5	-	-	13	11	-	2
__(46#) MENINGITIS	1	-	1	-	1	-	1	-	-	-	-	-
__(47#) PARKINSON'S DISEASE	76	72	-	4	40	38	-	1	36	33	-	3
__(48#) ALZHEIMER'S DISEASE	238	210	2	24	73	61	1	11	165	149	1	13
MAJOR CARDIOVASCULAR DISEASES	2,747	2,397	78	272	1,433	1,233	41	159	1,314	1,164	37	113
__(#) DISEASES OF HEART	1,974	1,731	65	178	1,096	943	37	116	878	788	28	62
__(49) ACUTE RHEUMATIC FEVER AND CHRONIC RHEUMATIC HEART DISEASES	13	12	1	-	2	2	-	-	11	10	1	-
__(50) HYPERTENSIVE HEART DISEASE	49	41	1	7	16	11	1	4	33	30	-	3
__(51) HYPERTENSIVE HEART AND RENAL DISEASE	5	2	-	3	3	1	-	2	2	1	-	1
ISCHEMIC HEART DISEASES	1,232	1,072	49	111	764	662	29	73	468	410	20	38
__(52) ACUTE MYOCARDIAL INFARCTION	500	429	22	49	287	247	11	29	213	182	11	20
__(53) OTHER ACUTE ISCHEMIC HEART DISEASES	4	4	-	-	2	2	-	-	2	2	-	-
OTHER FORMS OF CHRONIC ISCHEMIC HEART DISEASE	728	639	27	62	475	413	18	44	253	226	9	18
__(54) ATHEROSCLEROTIC CARDIOVASCULAR DISEASE, SO DESCRIBED	180	143	3	14	96	88	3	5	84	55	-	9
__(55) ALL OTHER FORMS OF CHRONIC HEART DISEASE	568	496	24	48	379	325	15	39	189	171	9	9
__(59) ALL OTHER FORMS OF HEART DISEASE	386	344	9	33	202	170	5	27	184	174	4	6
__(60#) ESSENTIAL (PRIMARY) HYPERTENSION AND HYPERSENSIVE RENAL RENAL DISEASE	45	41	2	2	18	17	-	1	27	24	2	1
__(61#) CEREBROVASCULAR DISEASES	571	491	9	71	234	200	3	31	337	291	6	40
__(62#)ATHEROSCLEROSIS	45	40	1	8	23	18	1	4	26	22	-	4
__OTHER DISEASES OF CIRCULATORY SYSTEM	108	94	1	13	62	55	-	7	46	39	1	6
__(63#) AORTIC ANEURYSM AND DISSECTION	74	69	1	8	47	42	-	5	27	23	1	3
__(64) OTHER DISEASES OF ARTERIES, ARTERIOLES AND CAPILLARIES	34	29	-	5	15	13	-	2	19	16	-	3
__(65) OTHER DISORDERS OF CIRCULATORY SYSTEM	18	14	3	1	7	6	1	-	11	8	2	1
__(#) INFLUENZA AND PNEUMONIA	257	227	9	21	109	93	4	12	148	134	5	9
__(66) INFLUENZA	18	15	-	3	8	6	-	2	10	9	-	1
__(67) PNEUMONIA	239	212	9	18	101	87	4	10	138	125	5	8

* ANY RACIAL CATEGORY MAY INCLUDE "HISPANIC"; "OTHER" ALSO INCLUDES RACE NOT STATED.

**LIST OF 113 SELECTED UNDERLYING CAUSES OF DEATH LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES SHOWN IN FIGURE 3. THOSE MARKED WITH A # SIGN ARE RANKABLE AS LEADING CAUSES

TABLE D-2. (CONCLUDED)

FREQUENCY OF DEATH BY SEX, RACE*, AND UP TO 113 SELECTED CAUSES
MONTANA RESIDENTS, 2003

CAUSE OF DEATH**	TOTAL				MALE				FEMALE			
	TOTAL	WHITE	Nat.Am.	OTHER	TOTAL	WHITE	Nat.Am.	OTHER	TOTAL	WHITE	Nat.Am.	OTHER
OTHER ACUTE LOWER RESPIRATORY INFECTIONS	1	1	-	-	-	-	-	-	1	1	-	-
(69) UNSPECIFIED ACUTE LOWER RESPIRATORY INFECTION	1	1	-	-	-	-	-	-	1	1	-	-
(#) CHRONIC LOWER RESPIRATORY DISEASE	587	520	17	50	298	260	12	26	289	260	5	24
(70) BRONCHITIS, CHRONIC AND UNSPECIFIED	4	2	1	1	-	-	-	-	4	2	1	1
(71) EMPHYSEMA	67	58	4	5	38	33	4	2	28	25	-	3
(72) ASTHMA	14	13	-	1	7	7	-	-	7	6	-	1
(73) OTHER CHRONIC LOWER RESPIRATORY DISEASES	502	447	12	43	252	220	8	24	250	227	4	19
(74#) PNEUMOCONIOSES AND CHEMICAL EFFECTS	9	7	-	2	8	6	-	2	1	1	-	-
(75#) PNEUMONITIS DUE TO SOLIDS AND LIQUIDS	63	54	1	8	35	31	1	3	28	23	-	5
(76) OTHER DISEASES OF RESPIRATORY SYSTEM	90	75	9	6	38	33	3	2	52	42	6	4
(77#) PEPTIC ULCER	8	7	-	1	4	4	-	-	4	3	-	1
(78#) DISEASES OF APPENDIX	1	1	-	-	-	-	-	-	1	1	-	-
(79#) HERNIA	8	8	-	-	3	3	-	-	5	5	-	-
(#) CHRONIC LIVER DISEASE AND CIRRHOSIS	111	81	18	12	67	53	7	7	44	28	11	5
(80) ALCOHOLIC LIVER DISEASE	60	43	14	3	40	31	6	3	20	12	8	-
(81) OTHER CHRONIC LIVER DISEASE AND CIRRHOSIS	51	38	4	9	27	22	1	4	24	16	3	5
(82#) CHOLELITHIASIS AND OTHER DISORDERS OF GALLBLADDER	6	5	-	1	2	1	-	1	4	4	-	-
(#) NEPHRITIS, NEPHROTIC SYNDROM AND NEPHROSIS	101	83	5	12	53	43	4	6	48	40	2	6
(83) ACUTE AND RAPIDLY PROGRASSIVE NEPHRITIC AND NEPHROTIC SYNDROME	1	1	-	-	1	1	-	-	-	-	-	-
(85) RENAL FAILURE	100	82	6	12	52	42	4	6	48	40	2	6
(87#) INFECTIONS OF KIDNEY	6	6	-	-	1	1	-	-	5	5	-	-
(88#) HYPERPLASIA OF PROSTATE	4	3	1	-	4	3	1	-	-	-	-	-
(#) PREGNANCY, CHILDBIRTH AND THE PUERPERIUM	5	5	-	-	-	-	-	-	5	5	-	-
(91) OTHER COMPLICATIONS OF PREGNANCY, CHILDBIRTH AND THE PUERPERIUM	5	5	-	-	-	-	-	-	5	5	-	-
(92#) CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	23	16	2	5	8	6	-	2	15	10	2	3
(93#) CONGENITAL MALFORMATIONS, DEFORMATION AND CHROMOSOMAL ABNORMALITIES	30	18	4	8	19	10	3	6	11	8	1	2
(94) SYMPTOMS, SIGNS AND ABNORMAL CLINICAL AND LABORATORY FINDINGS NOT ELSEWHER E CLASSIFIED	172	144	12	16	72	60	6	6	100	84	6	10
(95) ALL OTHER DISEASES (RESIDUAL)	749	652	33	64	307	260	18	29	442	392	15	35
(#) ACCIDENTS	515	364	80	71	327	225	60	42	188	139	20	29
TRANSPORT ACCIDENTS	272	180	49	43	184	120	37	27	88	60	12	16
(96) MOTOR VEHICLE ACCIDENTS	257	172	46	39	172	115	34	23	85	57	12	16
(97) OTHER LAND TRANSPORT ACCIDENTS	5	2	1	2	4	1	1	2	1	1	-	-
(98) WATER, AIR AND SPACE AND OTHER UNSPECIFIED TRANSPORT ACCIDENTS AND THEIR SEQUELAE	10	6	2	2	8	4	2	2	2	2	-	-
NONTRANSPORT ACCIDENTS	239	180	31	28	140	102	23	15	99	78	8	13
(#) INTENTIAL SELF-HARM (SUICIDE)	179	160	11	8	146	131	8	6	33	29	2	2
(105) INTENTIAL SELF-HARM (SUICIDE) BY DISCHARGE OF FIEARMS	119	110	5	4	105	96	5	4	14	14	-	-
(106) INTENTIONAL SELF-HARM (SUICIDE) BY OTHER AND UNSPECIFIED MEANS AND THEIR SEQUELAE	60	50	6	4	41	35	4	2	19	15	2	2
(#) ASSAULT (HOMICIDE)	37	19	11	7	24	13	7	4	13	6	4	3
(107) ASSAULT (HOMICIDE) BY DISCHARGE OF FIREARMS	20	11	4	5	13	7	3	3	7	4	1	2
(108) ASSAULT (HOMICIDE) BY OTHER AND UNSPECIFIED MEANS AND THEIR SEQUELAE	17	8	7	2	11	6	4	1	6	2	3	1
EVENTS OF UNDETERMINED INTENT	36	28	3	6	22	16	2	4	14	12	1	1
(111) OTHER AND UNSPECIFIED EVENTS OF UNDETERMINED INTENT AND THEIR SEQUELAE	36	28	3	5	22	16	2	4	14	12	1	1

* ANY RACIAL CATEGORY MAY INCLUDE "HISPANIC"; "OTHER" ALSO INCLUDES RACE NOT STATED.

**LIST OF 113 SELECTED UNDERLYING CAUSES OF DEATH. LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES SHOWN IN FIGURE 3. THOSE MARKED WITH A # SIGN ARE RANKABLE AS LEADING CAUSES

TABLE D-3

FREQUENCY AND RATE OF DEATH FROM SELECTED UNDERLYING CAUSES BY YEAR*
MONTANA, 1910-2003*

ICD-09			810-825		800-807 826-849		303		140-208	
ICD-10			see footnotes for codes		see footnotes for codes		F10-F10 9 G31 2		C00-C97 9	
YEAR	ACCIDENTS						ALCOHOLISM		MALIGNANT NEOPLASMS (CANCER)	
	TOTAL		MOTOR VEHICLE		OTHER					
	NUMBER	RATE+	NUMBER	RATE+	NUMBER	RATE+	NUMBER	RATE+	NUMBER	RATE+
1910	514	136 7	5	1 3	509	135 4	56	14 9	157	41 7
1915	556	118 8	31	6 6	525	112 2	66	14 1	223	47 6
1920	473	86 3	45	8 2	428	78 1	10	1 8	282	51 4
1925	505	93 0	98	18 1	407	75 0	41	7.6	379	69 8
1930	498	92 6	106	19 7	392	72 9	69	12 8	424	78 9
1935	552	100 5	161	29 3	391	71 2	14	2 5	528	96 2
1940	539	96 3	154	27 5	385	68 8	41	7 3	640	114 4
1945	498	98 7	118	23 4	380	75 3	13	2 6	658	130 4
1946	517	99 1	166	31.8	351	67 3	15	2 9	662	126 8
1947	537	99 6	157	29 1	380	70 5	19	3 5	712	132 0
1948	575	103.3	165	29 6	410	73 7	14	2 5	724	130 1
1949	552	96 2	152	26 5	400	69 7	17	3 0	729	127.0
1950	545	92 2	190	32 1	355	60 1	14	2 4	733	124 0
1951	525	88 1	187	31 4	338	56 7	17	2 9	726	121 8
1952	564	93 7	235	39 0	329	54 7	13	2 2	798	132 6
1953	534	86 7	228	37 0	306	49 7	17	2 8	809	131 3
1954	531	85.1	219	35 1	312	50 0	19	3 0	868	139 1
1955	549	86 3	239	37 6	310	48 7	28	4 4	829	130.3
1956	574	87 5	265	40 4	309	47 1	22	3 4	932	142 1
1957	541	81 1	219	32 8	322	48 3	20	3 0	877	131 5
1958	497	74 6	206	30 9	291	43 7	18	2 7	859	129 0
1959	565	84 5	258	38 6	307	45 9	15	2 2	920	137 5
1960	510	75 6	226	33 5	284	42 1	13	1 9	958	142 0
1961	518	76 0	270	39 6	248	36 4	18	2 6	965	141 5
1962	550	77 6	232	32 7	318	44 9	19	2 7	911	128 5
1963	517	73.1	218	30 8	299	42 3	12	1 7	896	126 7
1964	648	91 9	250	35 5	398	56 5	13	1 8	986	139 9
1965	591	83 7	268	38 0	323	45 8	14	2 0	933	132 2
1966	560	79 8	265	37 7	295	42 0	24	3 4	969	138 0
1967	607	86 6	316	45 4	289	41 2	12	1 7	1,001	142 8
1968	535	77 2	262	37 8	273	39 4	29	4 2	1,080	155 8
1969	635	91 5	329	47 4	306	44 1	10	1 4	1,041	150.0
1970	571	82 2	290	41 8	281	40.5	25	3 6	1,059	152 5
1971	609	85 8	310	43 7	299	42 1	19	2 7	1,051	148 0
1972	635	88 3	360	50 1	275	38 2	17	2 4	1,122	156 1
1973	611	84 7	324	44 9	287	39 8	20	2 8	1,061	147 2
1974	559	76 1	272	37 0	287	39 0	14	1 9	1,130	153 7
1975	584	78 1	282	37.7	302	40 4	28	3 7	1,105	147 7
1976	579	75 9	291	38 6	288	38 2	23	3 1	1,191	158 2
1977	574	75 4	302	39 7	272	35 7	25	3 3	1,184	155 6
1978	558	71 1	276	35 2	282	35 9	23	2 9	1,233	157 1
1979	596	75 8	313	39 8	283	36 0	22	2 8	1,240	157 8
1980	570	72 5	311	39 5	259	32 9	25	3 2	1,291	164 1
1981	553	69 7	308	38 8	245	30 9	32	4 0	1,343	169 4
1982	471	58 8	236	29 5	235	29 3	30	3 7	1,384	172 8
1983	516	63 2	267	32 7	249	30 5	16	2 0	1,350	165 2
1984	440	53 4	233	28 3	207	25 1	18	2 2	1,467	178 0
1985	417	50 5	210	25 4	207	25 1	20	2 4	1,445	174 9
1986	403	49 2	228	27 8	175	21 4	27	3 3	1,475	180 1
1987	416	51 4	223	27 6	193	23 9	22	2 7	1,516	187 4
1988	368	45 7	200	24 8	168	20 9	22	2 7	1,561	193 9
1989	360	44 7	171	21 2	189	23 5	16	2 0	1,593	197 7
1990	398	49 8	210	26.3	188	23 5	21	2 6	1,630	204 0
1991	384	47 5	183	22 6	201	24 9	19	2 4	1,656	205 0
1992	399	48 4	182	22 1	217	26 3	29	3 5	1,710	207.6
1993	375	44 7	182	21 7	193	23 0	26	3 1	1,738	207 2
1994	391	45 7	192	22 4	199	23 2	31	3 6	1,740	203 2
1995	374	43 0	191	21 9	183	21.0	21	2 4	1,765	202 8
1996	396	45 0	191	21.7	205	23 3	23	2 6	1,762	200 4
1997	443	50 4	230	26 2	213	24 2	18	2 0	1,779	202 4
1998	463	52 6	219	24 9	244	27 7	34	3 9	1,816	206 3
1999	461	52 2	191	21 6	270	30 6	22	2 5	1,845	209 0
2000	484	53 6	228	25 3	256	28 4	29	3 2	1,861	206 3
2001	468	51.7	209	23 1	259	28 6	35	3 9	1,952	215 8
2002	794	87 3	521	57 3	273	30 0	30	3 3	1,901	209 0
2003	515	56 1	257	28.0	258	28 1	39	4 3	1,838	200 3

*DATA FOR 1910-45 ARE BY PLACE OF OCCURRENCE. BEGINING IN 1946, DATA ARE BY PLACE OF RESIDENCE.
+ PER 100,000 ESTIMATED MIDYEAR POPULATION. U.S. CENSUS ENUMERATIONS ARE USED FOR YEARS ENDING IN ZERO.

MOTOR VEHICLE ACCIDENT ICD-10 CODES: V02-V04, V09.0, V09 2, V12-V14, V19.0-V19.2, V19 4-V19.6, V20-V79, V80.3-V80.6, V81.0-V81.1, V82.0-V82.1,V83-V86, V87.0-V87.8, V88.0-V88.6, V89.0, V89.2

ACCIDENTS BY OTHER MEANS ICD-10 CODES: V01, V05-V08, V09.1, V09.3-V11, V15-V18, V19.3, V19.7-V19.9, V80.1-V80.2, V80.6-V80 9, V81.2-V81.9, V82.2-V82.9, V87.9, V88.9, V89.3-X59, Y85-Y86

TABLE D-3 (CONCLUDED)

FREQUENCY AND RATE OF DEATH FROM SELECTED UNDERLYING CAUSES BY YEAR*
MONTANA, 1910-2003*

ICD-09	250		390-398 402, 409 410-429		960-969		580-589		480-486		950-959	
ICD-10	E10-C14 9		I00-I09 9, I11, I13, I120-I51		X85-Y09 9 Y87 1		N00-N07 9 N17-N19 N25-N227		J12-J18		X60-X84 Y87	
YEAR	DIABETES		HEART DISEASE		HOMICIDE		NEPHRITIS		PNEUMONIA		SUICIDE	
	NUMBER	RATE+	NUMBER	RATE+	NUMBER	RATE+	NUMBER	RATE+	NUMBER	RATE+	NUMBER	RATE+
1910	38	10 1	257	68 3	37	9 8	222	59 0	282	75 0	81	21 5
1915	65	13 9	407	87 0	53	11 3	339	72 4	511	109 2	103	22 0
1920	60	10 9	428	78 1	46	8 4	273	49 8	576	105 0	86	15 7
1925	64	11 8	672	123 8	51	9 4	301	55 4	437	80 5	102	18 8
1930	87	16 2	759	141 2	57	10 8	395	73 5	425	79 1	136	25 3
1935	112	20 4	1,299	236 6	34	6 2	355	64 7	674	122 8	96	17 5
1940	109	19 5	1,447	258 6	29	5 2	295	52 7	321	57 4	120	21 4
1945	129	25 6	1,603	317 7	19	3 8	279	55 3	196	38 8	79	15 7
1946	137	26 3	1,629	312 1	22	4 2	276	52 9	235	45 0	98	18 8
1947	130	24 1	1,690	313 4	14	2 6	266	49 3	223	41 4	96	17 8
1948	118	21 2	1,803	324 0	15	2 7	247	44 4	189	34 0	88	15 8
1949	102	17 8	2,002	348 9	21	3 7	129	22 5	144	25 1	89	15 5
1950	49	8 3	1,957	331 1	24	4 1	80	13 5	157	26 6	123	20 8
1951	58	9 7	2,159	362 2	15	2 5	85	14 3	121	20 3	85	14 3
1952	83	13 8	2,032	337 5	17	2 8	120	19 9	147	24 4	84	14 0
1953	73	11 9	2,164	351 3	23	3 7	77	12 5	180	28 2	106	17 2
1954	95	15 2	2,128	341 0	29	4 8	90	14 4	179	28 7	104	16.7
1955	108	17 0	2,118	332 7	21	3 3	94	14 8	155	24 4	79	12 4
1956	96	14 9	2,165	330 0	32	4 9	83	12 7	211	32 2	98	14 9
1957	118	17 7	2,280	343 3	23	3 4	71	10 5	249	37 3	105	15.7
1958	109	16 4	2,244	338 9	17	2 5	53	8 0	280	39 0	101	15 2
1959	123	18 4	2,382	358 1	29	4 3	58	8 7	231	34 5	97	14 5
1960	102	15 1	2,332	345 6	25	3 7	51	7 5	227	33 8	107	15 9
1961	117	17 2	2,289	332 7	21	3.1	41	6 0	219	32 1	96	14 1
1962	121	17.1	2,204	310 9	21	3.0	63	8 9	185	27.5	110	15 5
1963	125	17 7	2,340	331.0	22	3 1	42	5 9	218	30 8	115	16 3
1964	139	19 7	2,388	335 9	30	4 3	45	6 4	228	32 1	80	11 3
1965	114	16 1	2,297	325 4	20	2 8	35	5 0	188	26 0	94	13 3
1966	106	15 1	2,415	344 0	23	3 3	42	6.0	230	32 8	96	13.7
1967	143	20 4	2,287	327.7	31	4 4	38	5 4	196	28 0	100	14 3
1968	119	17 2	2,223	320.8	25	3 6	20	2 9	213	30 7	97	14 0
1969	117	16 9	2,297	331.0	31	4 5	21	3 0	201	29 0	91	13.1
1970	111	16 0	2,229	321 0	30	4 3	26	3 7	213	30 7	79	11 4
1971	120	16 9	2,339	329 4	43	6 1	19	2 7	210	29 5	117	16 5
1972	135	18 8	2,294	319 1	32	4 5	17	2 4	220	30 5	87	12 1
1973	126	17 5	2,300	319 0	46	6 4	27	3 7	235	32 7	108	15 0
1974	103	14 0	2,202	299 8	44	6 0	20	2 7	192	26 1	122	16 6
1975	122	16 3	2,176	291 2	42	5 6	19	2 5	186	24 7	112	15 0
1976	100	13.3	2,178	289 2	38	5 0	17	2 3	207	27 5	129	17 1
1977	89	11 7	2,149	282 4	53	7 0	24	3 2	144	18 9	143	18 8
1978	114	14 5	2,189	278 3	40	5.1	20	2 6	199	28 4	122	15 6
1979	94	12 0	2,302	292 9	39	5 0	46	5 9	143	18 2	123	15 6
1980	103	13 1	2,332	296 4	40	5 1	43	5 5	169	21 5	118	14 7
1981	95	12 0	2,279	287 4	47	5 9	70	8 8	171	21 6	137	17 3
1982	115	14 4	2,238	279 2	38	4 5	57	7 1	198	24 5	126	15 7
1983	103	12 6	2,241	274 3	33	4 0	62	7 6	219	26 5	143	17 5
1984	113	13 7	2,270	275 5	37	4 5	57	5 9	204	24 8	137	16 6
1985	123	14 9	2,201	268 5	49	5 9	58	7 0	211	25 8	144	17 4
1986	109	13 3	2,196	266 1	41	5 0	40	4 9	205	25 0	181	22 1
1987	116	14 3	2,109	260.7	39	4 8	50	7.4	192	23 7	159	19 7
1988	154	19 1	2,057	255.5	35	4 3	80	7 5	219	27.2	153	19 0
1989	170	21 1	2,019	250 6	32	4 0	47	5 8	224	27 8	159	19 7
1990	154	19 3	1,947	243 7	35	4 4	40	5 0	213	26 7	167	20 9
1991	181	22 4	1,944	240 6	38	4 6	61	6 3	245	30 3	167	20 7
1992	164	19 9	1,904	231 2	35	4 2	58	6 8	259	31 4	151	18 3
1993	191	22 6	2,110	251.5	39	4 8	59	7 0	249	29 7	164	18 4
1994	215	25 1	1,907	222.7	34	4 0	76	8 9	276	32 2	169	18 8
1995	210	24 1	2,003	230 2	46	5 2	55	6 4	313	36 0	197	22 6
1996	187	21 3	2,131	242 3	37	4 2	81	9 2	238	27.1	174	19 9
1997	169	19 2	2,087	238 8	37	4 2	98	11 2	299	34 0	179	20 4
1998	196	22 3	2,001	227 3	26	3 0	90	10 2	311	35 3	156	17 7
1999	243	27.5	2,034	230 4	32	3 8	93	10 5	213	24 1	161	18 2
2000	228	25 1	1,885	220 0	35	3 9	115	12 7	192	21 3	157	17 4
2001	229	25 3	1,962	216 9	31	3 4	127	14 0	191	21.1	174	19 2
2002	211	23 2	1,931	212 3	23	2 5	104	11 4	247	27 2	182	20 0
2003	263	28 7	1,974	215 1	37	4 0	101	11 0	239	26 0	179	19 5

*DATA FOR 1910-48 ARE BY PLACE OF OCCURRENCE. BEGINING IN 1946, DATA ARE BY PLACE OF RESIDENCE.

+PER 100,000 ESTIMATED MIDYEAR POPULATION. U.S. CENSUS ENUMERATIONS ARE USED FOR YEARS ENDING IN ZERO.

TABLE D-4

FREQUENCY OF DEATH FROM SELECTED UNDERLYING CAUSES BY COUNTY OF RESIDENCE
MONTANA, 2003

COUNTY	ICD 9	800-949	540-543	140-208	430-438	250	390-398, 402, 404, 410-429	487	320-322	360-369	580-589	480-486	045, 138	010-018, 137	ALL OTHER CAUSES
	ICD 10	V01-X59, Y85-Y86	K35-K38	C00-C97	I60-I69	E10-E14	I00-I09, I11, I13, I20-I51	J10-J11	G00-G03	A39	N00-N07, N17-N19, N25-N27	J12-J18	A80, B91	A16-A19, B90	
	TOTAL	ACCIDENTS	APPENDICITIS	CANCER	CEREBROVASCULAR DISEASE*	DIABETES	HEART DISEASE	INFLUENZA	MENINGITIS	MENINGOCOCCAL	NEPHRITIS	PNEUMONIA	POLIOMYELITIS	TUBERCULOSIS	
MONTANA TOTAL	**6,445**	**515**	**1**	**1,636**	**671**	**263**	**1,974**	**16**	**1**	**-**	**101**	**239**	**2**	**1**	**2,921**
BEAVERHEAD	90	8	-	18	4	3	19	2	-	-	-	-	-	-	36
BIG HORN	91	10	-	19	6	6	11	-	-	-	1	4	-	-	34
BLAINE	65	6	-	5	5	3	18	-	-	-	1	4	-	-	23
BROADWATER	44	-	-	9	1	-	13	1	-	-	-	7	-	-	13
CARBON	88	6	-	21	6	1	25	-	-	-	-	2	-	-	27
CARTER	14	1	-	-	1	-	4	-	-	-	1	2	-	-	5
CASCADE	746	34	-	188	39	29	165	1	-	-	11	13	-	-	266
CHOUTEAU	61	1	-	12	6	4	16	-	-	-	-	1	-	-	21
CUSTER	138	3	-	38	1	9	36	1	-	-	3	3	-	-	44
DANIELS	43	-	-	9	1	5	13	-	-	-	1	-	-	-	14
DAWSON	109	1	-	24	5	2	25	-	-	-	3	5	-	-	44
DEER LODGE	131	8	-	29	9	7	28	-	-	-	2	3	-	-	45
FALLON	25	-	-	4	1	4	7	-	-	-	-	-	-	-	9
FERGUS	163	3	1	33	16	6	38	-	-	-	3	8	-	-	55
FLATHEAD	756	34	-	161	62	22	174	-	1	-	13	28	-	-	261
GALLATIN	411	38	-	115	38	11	55	2	-	-	2	12	-	-	138
GARFIELD	14	-	-	4	1	-	5	-	-	-	1	2	-	-	1
GLACIER	102	15	-	15	2	7	18	-	-	-	2	-	-	-	43
GOLDEN VALLEY	6	-	-	2	-	-	1	-	-	-	-	-	-	-	3
GRANITE	26	-	-	10	1	-	8	-	-	-	-	-	-	-	7
HILL	146	12	-	35	11	4	34	1	-	-	1	4	-	-	44
JEFFERSON	80	2	-	18	6	3	23	-	-	-	-	1	-	-	27
JUDITH BASIN	27	1	-	11	-	-	9	-	-	-	-	-	-	-	6
LAKE	248	34	-	43	17	5	61	-	-	-	4	7	-	-	77
LEWIS & CLARK	460	27	-	108	37	11	103	1	-	-	2	11	-	-	160
LIBERTY	23	-	-	3	1	2	10	-	-	-	-	1	-	-	6
LINCOLN	192	16	-	44	15	4	44	-	-	-	2	1	-	-	66
MCCONE	15	2	-	4	1	1	4	-	-	-	-	-	-	-	3
MADISON	76	5	-	15	4	2	17	-	-	-	-	3	-	-	30
MEAGHER	29	2	-	7	4	1	5	-	-	-	1	2	-	-	7
MINERAL	53	6	-	6	5	-	13	-	-	-	1	-	-	-	22
MISSOULA	703	53	-	136	53	23	141	2	-	-	7	23	-	-	265
MUSSELSHELL	60	4	-	14	3	1	20	-	-	-	2	-	-	-	16
PARK	135	17	-	37	7	3	26	-	-	-	-	2	-	-	43
PETROLEUM	2	-	-	-	-	-	1	-	-	-	-	-	-	-	1
PHILLIPS	47	2	-	10	3	1	16	-	-	-	1	2	-	-	12
PONDERA	73	3	-	15	4	1	19	-	-	-	1	2	-	1	27
POWDER RIVER	24	2	-	3	2	1	6	-	-	-	1	-	-	-	9
POWELL	82	5	-	13	4	3	21	1	-	-	-	4	-	-	31
PRAIRIE	28	1	-	7	3	2	6	-	-	-	1	2	-	-	6
RAVALLI	371	26	-	83	22	5	88	1	-	-	3	9	-	-	134
RICHLAND	108	3	-	21	6	2	42	-	-	-	2	1	-	-	31
ROOSEVELT	136	16	-	19	13	4	31	-	-	-	4	4	-	-	45
ROSEBUD	75	10	-	16	1	6	17	-	-	-	1	3	-	-	21
SANDERS	124	10	-	32	10	1	36	1	-	-	1	2	-	-	31
SHERIDAN	51	1	-	15	2	3	15	-	-	-	2	3	-	-	10
SILVER BOW	402	10	-	67	24	15	120	-	-	-	4	12	-	-	150
STILLWATER	65	4	-	7	9	-	18	-	-	-	-	1	-	-	26
SWEET GRASS	31	1	-	6	1	-	3	-	-	-	1	3	-	-	16
TETON	72	6	-	10	6	5	16	-	-	-	-	3	-	-	26
TOOLE	57	3	-	19	2	2	8	-	-	-	1	-	1	-	21
TREASURE	8	-	-	2	-	1	3	-	-	-	-	-	-	-	2
VALLEY	101	5	-	31	9	1	22	-	-	-	2	5	-	-	26
WHEATLAND	31	6	-	5	1	-	9	-	-	-	-	1	-	-	9
WIBAUX	20	1	-	3	1	-	8	-	-	-	-	-	-	-	7
YELLOWSTONE	1,167	51	-	257	79	31	280	4	-	-	12	33	1	-	419
YELLOWSTONE PARK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NOT STATED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

* INCLUDES "STROKE."

TABLE D-5

FREQUENCY OF DEATH FROM SELECTED CANCERS
BY SEX OF DECEDENT AND YEAR OF DEATH
MONTANA RESIDENTS, 1954-2003

YEAR OF DEATH	ALL CANCERS		SITE OF CANCER AND SEX OF DECEDENT																				
	SEX		PROSTATE	BREAST		TRACHEA, LUNG AND BRONCHUS		COLON RECTUM, AND ANUS		BLADDER		UTERUS	HODGKIN'S AND NONHODGKIN'S LYMPHOMA		OVARY	PANCREAS		CERVIX	OTHER CANCERS	
	MALE	FEMALE	MALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	FEMALE	MALE	FEMALE	FEMALE	MALE	FEMALE	FEMALE	MALE	FEMALE
1954	511	357	67	0	77	94	12	55	46	13	6	28	18	11	25	28	17	17	236	118
1955	458	371	55	0	73	73	13	47	62	18	3	13	17	10	24	27	17	23	221	133
1956	529	403	68	0	73	99	25	75	61	24	6	27	14	15	22	28	19	28	221	127
1957	517	360	63	0	63	110	10	69	53	19	8	19	19	8	23	33	17	27	204	132
1958	474	385	52	2	74	100	12	59	54	21	7	22	17	14	22	26	11	17	197	152
1959	556	364	66	0	71	88	9	84	49	25	8	14	18	13	26	40	25	25	235	124
1960	557	401	78	0	85	121	17	81	56	16	7	20	32	9	25	30	20	26	199	136
1961	524	441	62	0	98	115	23	78	76	20	7	17	22	14	27	30	21	27	197	131
1962	528	383	65	0	84	109	12	64	54	15	3	14	26	14	28	44	22	21	205	131
1963	543	353	59	1	68	103	16	71	51	19	8	16	31	13	20	32	21	20	227	120
1964	577	409	78	1	79	114	13	65	57	19	6	20	32	11	26	40	16	32	228	149
1965	546	387	71	0	78	121	23	73	66	20	4	15	25	17	23	43	17	23	193	121
1966	571	398	59	0	87	125	16	65	63	23	5	23	26	18	24	45	16	15	228	131
1967	549	452	66	0	98	121	26	81	63	26	6	19	20	17	37	39	18	28	196	140
1968	604	476	66	0	96	150	23	64	59	38	4	18	33	16	38	46	31	22	207	169
1969	619	422	66	0	93	158	28	83	71	26	7	15	34	23	19	39	23	13	213	130
1970	598	461	75	2	101	152	34	66	74	31	9	14	23	17	26	43	24	20	206	142
1971	643	408	70	3	88	177	35	78	58	35	8	11	23	15	17	35	27	18	222	131
1972	637	485	79	0	92	164	44	85	69	25	7	16	17	20	25	37	34	16	230	162
1973	580	481	86	0	85	172	37	67	87	19	8	9	19	21	25	30	42	15	187	152
1974	629	501	76	1	88	196	48	79	80	25	5	19	31	24	28	33	42	22	188	145
1975	629	476	74	0	85	167	53	81	70	20	4	20	20	20	30	33	34	15	234	145
1976	684	507	92	0	107	197	58	90	70	24	13	18	30	17	29	31	35	9	220	151
1977	677	507	81	0	90	207	60	82	66	28	7	16	28	13	35	42	34	13	209	173
1978	703	530	113	1	95	199	86	85	72	26	9	22	24	17	36	38	26	14	217	153
1979	672	568	99	1	105	194	69	77	84	27	12	23	17	18	39	37	31	20	220	167
1980	743	548	91	0	98	237	75	83	82	23	9	14	26	26	34	49	36	15	234	159
1981	712	631	109	0	125	207	92	84	84	21	15	13	25	31	40	36	29	9	230	193
1982	757	627	120	2	130	218	92	82	70	27	11	32	18	21	37	42	31	15	248	188
1983	732	618	92	2	112	218	90	73	64	24	3	20	30	22	45	38	54	12	255	196
1984	763	704	88	1	124	231	128	83	91	17	11	28	28	26	38	43	39	16	272	203
1985	829	616	118	1	108	223	118	100	84	44	8	23	27	26	35	48	31	15	268	168
1986	791	684	134	0	130	233	124	91	85	30	12	25	26	22	42	37	43	17	240	184
1987	832	684	121	3	124	259	117	103	95	23	7	23	34	29	50	28	39	9	261	191
1988	831	730	110	4	117	251	163	95	74	25	16	17	35	34	44	41	50	16	270	199
1989	880	713	150	0	127	257	133	106	105	33	9	18	41	18	43	35	40	17	258	203
1990	863	767	130	0	151	267	140	92	88	25	17	28	30	42	35	33	50	11	286	205
1991	894	762	118	1	122	289	175	95	87	31	8	20	42	37	42	46	53	13	272	205
1992	927	783	147	0	143	279	162	86	79	25	14	22	39	32	45	31	60	14	320	212
1993	941	797	158	3	138	278	172	107	94	24	12	21	37	37	43	48	45	19	286	216
1994	975	765	133	1	123	283	174	99	85	35	9	18	45	33	45	51	43	12	328	223
1995	918	847	125	0	159	263	201	89	83	40	6	19	43	36	51	57	55	8	301	229
1996	942	820	125	0	143	291	194	95	86	20	9	20	39	47	41	38	42	13	334	225
1997	958	821	151	0	116	264	212	100	80	32	13	18	58	40	54	44	37	11	309	240
1998	1,009	807	125	2	118	321	204	95	70	36	13	27	44	35	46	54	38	12	332	244
1999	978	867	128	3	122	288	217	93	92	29	13	19	32	52	52	49	40	15	356	245
2000	1,008	853	108	2	130	279	204	108	90	37	17	26	41	30	50	57	43	13	376	250
2001	1,045	907	124	0	124	322	256	105	80	39	15	23	56	35	43	39	61	7	360	263
2002	959	942	110	2	150	287	240	100	84	28	11	31	38	29	64	45	44	9	349	280
2003	961	877	109	1	115	298	236	78	86	34	13	20	41	43	50	48	41	12	352	261

*Data for this table were coded using six different revisions of the International Classification of Diseases (ICD), which were implemented in the following years: ICD-6 (1949 - 1957); ICD-7 (1958-1967); ICD-8 (1968-1978); ICD-9 (1979-1998); ICD-10 (1999-present).

TABLE D-6

FREQUENCY OF DEATH FROM SELECTED CANCERS
BY SEX OF DECEDENT AND COUNTY OF RESIDENCE
MONTANA, 2003

COUNTY	ALL CANCERS		SITE OF CANCER AND SEX OF DECEDENT								
	SEX		PROSTATE	BREAST		TRACHEA, LUNG, AND BRONCHUS		COLON, RECTUM, AND ANUS		BLADDER	
	MALE	FEMALE	MALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
MONTANA TOTAL	961	877	109	1	115	298	236	78	86	34	13
BEAVERHEAD	9	9	-	-	1	3	2	1	1	-	-
BIG HORN	8	11	-	-	-	2	1	1	1	-	-
BLAINE	3	2	-	-	2	2	-	-	-	-	-
BROADWATER	7	2	1	-	-	1	-	-	-	1	-
CARBON	13	8	1	-	1	4	2	-	1	2	-
CARTER	-	-	-	-	-	-	-	-	-	-	-
CASCADE	91	97	12	-	12	30	30	4	5	4	3
CHOUTEAU	7	5	1	-	2	1	1	-	1	-	-
CUSTER	19	19	3	-	1	6	6	1	1	-	-
DANIELS	6	3	-	-	-	1	2	2	-	-	-
DAWSON	16	8	1	-	1	8	2	-	-	-	1
DEER LODGE	17	12	2	-	-	4	2	1	-	-	1
FALLON	2	2	-	-	1	1	-	-	-	1	-
FERGUS	16	17	1	-	3	4	3	1	5	-	-
FLATHEAD	78	83	9	-	13	21	17	5	8	5	1
GALLATIN	65	50	5	-	8	15	12	3	3	2	1
GARFIELD	3	1	1	-	1	-	-	-	-	1	-
GLACIER	7	8	-	-	-	3	3	-	2	-	-
GOLDEN VALLEY	2	-	1	-	-	1	-	-	-	-	-
GRANITE	6	4	-	-	-	3	1	-	-	-	-
HILL	20	15	2	-	-	6	2	1	-	2	-
JEFFERSON	9	9	1	-	-	4	1	2	1	-	-
JUDITH BASIN	8	3	1	-	-	3	3	2	-	-	-
LAKE	23	20	2	-	1	9	8	1	1	-	2
LEWIS & CLARK	52	56	7	-	11	15	16	2	5	1	-
LIBERTY	2	1	-	1	-	-	-	1	-	-	-
LINCOLN	28	16	2	-	1	12	6	3	2	1	-
MCCONE	2	2	-	-	-	1	1	1	1	-	-
MADISON	10	5	2	-	2	-	-	3	1	-	-
MEAGHER	1	6	1	-	1	-	3	-	1	-	-
MINERAL	2	4	-	-	1	-	1	1	-	-	-
MISSOULA	67	69	9	-	9	21	20	5	7	2	1
MUSSELSHELL	8	6	1	-	1	2	3	2	-	-	-
PARK	18	19	-	-	2	7	7	2	4	1	-
PETROLEUM	-	-	-	-	-	-	-	-	-	-	-
PHILLIPS	3	7	-	-	2	1	2	1	1	-	-
PONDERA	8	7	1	-	2	2	2	1	1	1	-
POWDER RIVER	3	-	-	-	-	1	-	-	-	-	-
POWELL	4	9	1	-	1	-	3	-	-	1	-
PRAIRIE	5	2	1	-	-	1	-	-	-	-	-
RAVALLI	39	44	3	-	6	17	11	3	5	1	-
RICHLAND	14	7	1	-	1	6	3	1	-	-	-
ROOSEVELT	8	11	1	-	2	3	2	-	4	-	-
ROSEBUD	7	9	-	-	-	4	4	-	1	-	-
SANDERS	21	11	3	-	1	6	3	3	3	-	-
SHERIDAN	7	8	-	-	2	4	3	-	-	-	-
SILVER BOW	37	30	2	-	5	10	9	7	2	4	2
STILLWATER	5	2	-	-	-	1	-	-	-	-	-
SWEET GRASS	4	2	1	-	1	-	-	-	-	-	-
TETON	3	7	-	-	-	-	3	-	2	-	-
TOOLE	7	12	3	-	3	2	1	-	1	-	-
TREASURE	1	1	-	-	-	1	-	-	-	-	-
VALLEY	15	16	4	-	1	3	4	1	3	-	-
WHEATLAND	3	2	1	-	-	-	-	1	-	-	-
WIBAUX	2	1	-	-	-	-	-	-	1	-	-
YELLOWSTONE	140	117	21	-	13	46	31	15	11	4	1
YELLOWSTONE PARK	-	-	-	-	-	-	-	-	-	-	-
NOT STATED	-	-	-	-	-	-	-	-	-	-	-

TABLE D-6 (CONCLUDED)

FREQUENCY OF DEATH FROM SELECTED CANCERS
BY SEX OF DECEDENT AND COUNTY OF RESIDENCE
MONTANA, 2003

COUNTY	SITE OF CANCER AND SEX OF DECEDENT								
	UTERUS	HODGKIN'S AND NONHODGKIN'S LYMPHOMA		OVARY	PANCREAS		CERVIX	OTHER CANCERS	
	FEMALE	MALE	FEMALE	FEMALE	MALE	FEMALE	FEMALE	MALE	FEMALE
MONTANA TOTAL	20	41	43	50	48	41	12	352	261
BEAVERHEAD	-	-	1	1	1	1	-	4	2
BIG HORN	-	-	-	1	-	1	-	5	7
BLAINE	-	-	-	-	1	-	-	-	-
BROADWATER	-	-	-	1	-	-	-	4	1
CARBON	1	-	-	1	2	-	-	4	2
CARTER	-	-	-	-	-	-	-	-	-
CASCADE	3	4	5	6	3	5	2	34	26
CHOUTEAU	-	1	-	-	-	-	-	4	1
CUSTER	2	-	2	1	1	1	-	8	5
DANIELS	-	-	-	-	-	-	-	3	1
DAWSON	-	-	1	1	-	1	-	7	1
DEER LODGE	-	1	-	1	1	-	-	8	8
FALLON	-	-	-	-	-	-	-	-	1
FERGUS	-	-	-	1	-	1	-	10	4
FLATHEAD	4	3	4	7	7	3	5	28	21
GALLATIN	-	4	1	4	5	2	1	31	18
GARFIELD	-	-	-	-	-	-	-	1	-
GLACIER	-	-	1	-	1	-	-	3	2
GOLDEN VALLEY	-	-	-	-	-	-	-	-	-
GRANITE	-	1	-	-	1	-	-	1	3
HILL	1	1	1	2	1	1	-	7	8
JEFFERSON	1	-	-	1	-	1	1	2	3
JUDITH BASIN	-	-	-	-	-	-	-	2	-
LAKE	-	2	-	-	-	3	-	9	5
LEWIS & CLARK	4	4	2	4	2	3	-	21	11
LIBERTY	-	-	-	1	-	-	-	-	-
LINCOLN	-	-	3	-	1	-	-	9	4
MCCONE	-	-	-	-	-	-	-	-	-
MADISON	-	-	-	-	-	1	-	5	1
MEAGHER	-	-	-	-	-	1	-	-	-
MINERAL	-	-	1	-	1	-	-	-	1
MISSOULA	-	4	3	4	3	4	-	23	21
MUSSELSHELL	1	1	-	-	-	-	-	2	1
PARK	-	-	1	-	2	1	-	6	4
PETROLEUM	-	-	-	-	-	-	-	-	-
PHILLIPS	-	-	1	1	-	-	-	1	-
PONDERA	-	-	-	-	-	1	-	3	1
POWDER RIVER	-	-	-	-	-	-	-	2	-
POWELL	-	-	2	-	-	-	-	2	3
PRAIRIE	-	-	-	-	1	-	-	2	2
RAVALLI	1	3	2	3	1	-	1	11	15
RICHLAND	-	1	2	-	1	-	-	4	1
ROOSEVELT	-	-	-	-	-	-	-	4	3
ROSEBUD	-	1	1	1	1	-	-	1	2
SANDERS	-	1	-	1	2	1	-	6	2
SHERIDAN	-	-	1	-	1	-	-	2	2
SILVER BOW	-	2	2	1	1	-	-	11	9
STILLWATER	-	-	-	-	1	1	-	3	1
SWEET GRASS	-	1	1	-	1	-	-	1	-
TETON	1	-	1	-	-	-	-	3	-
TOOLE	-	-	-	-	-	1	-	2	6
TREASURE	-	-	-	-	-	-	-	-	1
VALLEY	-	-	-	-	1	1	-	6	7
WHEATLAND	-	-	-	1	-	-	-	1	1
WIBAUX	-	-	-	-	-	-	-	2	-
YELLOWSTONE	1	6	4	5	4	6	2	44	43
YELLOWSTONE PARK	-	-	-	-	-	-	-	-	-
NOT STATED	-	-	-	-	-	-	-	-	-

TABLE D-7

FREQUENCY OF INFANT DEATH BY RACE*, AGE, AND UP TO 130 SELECTED UNDERLYING CAUSES
MONTANA RESIDENT, 2003

CAUSE OF DEATH**	TOTAL UNDER 1 YEAR				LESS THAN 8 DAYS				8 TO 28 DAYS				29 DAYS TO LESS THAN 1 YEAR			
	TOTAL	WHITE RACE	NAT Am	OTHER RACE	TOTAL	WHITE RACE	NAT Am	OTHER RACE	TOTAL	WHITE RACE	NAT Am	OTHER RACE	TOTAL	WHITE RACE	NAT Am	OTHER RACE
ALL CAUSES	77	51	12	14	32	23	4	5	10	5	-	5	35	23	8	4
CERTAIN INFECTIOUS AND PARASITIC DISEASES	1	-	1	-	-	-	-	-	-	-	-	-	1	-	1	-
(8#) SEPTICEMIA	1	-	1	-	-	-	-	-	-	-	-	-	1	-	1	-
ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES	2	2	-	-	1	1	-	-	1	1	-	-	-	-	-	-
(32#) ALL OTHER ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES	2	2	-	-	1	1	-	-	1	1	-	-	-	-	-	-
DISEASES OF THE NERVOUS SYSTEM	1	1	-	-	-	-	-	-	-	-	-	-	1	1	-	-
(37#) OTHER DISEASES OF NERVOUS SYSTEM	1	1	-	-	-	-	-	-	-	-	-	-	1	1	-	-
(#) DISEASES OF THE CIRCULATORY SYSTEM	1	1	-	-	-	-	-	-	1	1	-	-	-	-	-	-
(41#) CARDIOMYOPATHY	1	1	-	-	-	-	-	-	1	1	-	-	-	-	-	-
DISEASES OF THE RESPIRATORY SYSTEM	3	2	-	1	-	-	-	-	-	-	-	-	3	2	-	1
(#) INFLUENZA AND PNEUMONIA	1	-	-	1	-	-	-	-	-	-	-	-	1	-	-	1
(46#) INFLUENZA	1	-	-	1	-	-	-	-	-	-	-	-	1	-	-	1
(52) OTHER AND UNSPECIFIED DISEASES OF RESPIRATORY SYSTEM	2	2	-	-	-	-	-	-	-	-	-	-	2	2	-	-
DISEASES OF THE DIGESTIVE SYSTEM	2	2	-	-	-	-	-	-	1	1	-	-	1	1	-	-
(55) ALL OTHER AND UNSPECIFIED DISEASES OF THE DIGESTIVE SYSTEM	2	2	-	-	-	-	-	-	1	1	-	-	1	1	-	-
DISEASES OF THE GENITOURINARY SYSTEM	3	3	-	-	1	1	-	-	1	1	-	-	1	1	-	-
(56#) RENAL FAILURE AND OTHER DISORDERS OF KIDNEY	2	2	-	-	1	1	-	-	1	1	-	-	-	-	-	-
(57) OTHER AND UNSPECIFIED DISEASES OF GENITOURINARY SYSTEM	1	1	-	-	-	-	-	-	-	-	-	-	1	1	-	-
CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	22	16	1	5	16	12	1	3	1	-	-	1	5	4	-	1
NEWBORN AFFECTED BY MATERNAL FACTORS AND BY COMPLICATIONS OF PREGNANCY, LABOR AND DELIVERY	8	6	-	2	7	5	-	2	-	-	-	-	1	1	-	-
(#) NEWBORN AFFECTED BY MATERNAL COMPLICATIONS OF PREGNANCY	8	4	-	2	5	3	-	2	-	-	-	-	1	1	-	-
(61) NEWBORN AFFECTED BY PREMATURE RUPTURE OF MEMBRANES	3	2	-	1	2	1	-	1	-	-	-	-	1	1	-	-
(63#) NEWBORN AFFECTED BY OTHER MATERNAL COMPLICATIONS OF PREGNANCY	3	2	-	1	3	2	-	1	-	-	-	-	-	-	-	-
(#) NEWBORN AFFECTED BY COMPLICATIONS OF PLACENTA, CORD AND MEMBRANES	2	2	-	-	2	2	-	-	-	-	-	-	-	-	-	-
(64) NEWBORN AFFECTED BY COMPLICATIONS INVOLVING PLACENTA	2	2	-	-	2	2	-	-	-	-	-	-	1	1	-	-
DISORDERS RELATED TO LENGTH OF GESTATION AND FETAL MALNUTRITION	3	3	-	-	2	2	-	-	-	-	-	-	-	-	-	-
(71) EXTREAMLY LOW BIRTH WEIGHT OR EXTREAM IMMATURITY	2	2	-	-	2	2	-	-	-	-	-	-	-	-	-	-
(72) OTHER LOW BIRTH WEIGHT OR PRETERM	1	1	-	-	-	-	-	-	-	-	-	-	1	1	-	-
(74#) BIRTH TRAMA	1	-	-	1	-	-	-	-	-	-	-	-	1	-	-	1
(77#) RESPIRATORY DISTRESS OF NEWBORN	2	2	-	-	-	-	-	-	-	-	-	-	2	2	-	-
OTHER RESPIRATORY CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	1	1	-	-	1	1	-	-	-	-	-	-	-	-	-	-
(81#) PULMONARY HEMPORAGE ORIGINATING IN THE PERINATAL PERIOD	1	1	-	-	1	1	-	-	-	-	-	-	-	-	-	-
INFECTIONS SPECIFIC TO THE PERINATAL PERIOD	2	1	-	1	1	1	-	-	1	-	-	1	-	-	-	-
(85#) BACTERIAL SEPSIS OF THE NEWBORN	1	1	-	-	1	1	-	-	-	-	-	-	-	-	-	-
(87) ALL OTHER INFECTIONS SPECIFIC TO THE PERINATAL PERIOD	1	-	-	1	-	-	-	-	1	-	-	1	-	-	-	-
HEMORRHAGIC AND HEMATOLOGICAL DISORDERS OF THE NEWBORN	2	1	1	-	2	1	1	-	-	-	-	-	-	-	-	-
(88#) NEONATAL HEMORAGE	2	1	1	-	2	1	1	-	-	-	-	-	-	-	-	-
(94#) HYDROPS FETALIS NOT DUE TO HEMOLYTIC DISEASE	2	2	-	-	2	2	-	-	-	-	-	-	-	-	-	-
(95) OTHER PERINATAL CONDITIONS	1	-	-	1	1	-	-	1	-	-	-	-	-	-	-	-
(#) CONGENITAL MALFORMATIONS, DEFORMATIES AND CHROMOSOMAL ABNORMALITIES	20	11	4	5	14	8	3	2	4	1	-	3	2	1	1	-
(97) CONGENITAL HYDROCEPHALUS	2	1	1	-	2	1	1	-	-	-	-	-	-	-	-	-
(99) OTHER CONGENITAL MALFORMATIONS OF NERVOUS SYSTEM	1	-	1	-	-	-	-	-	-	-	-	-	1	-	1	-
(100) CONGENITAL MALFORMATIONS OF THE HEART	7	2	1	4	3	-	1	2	3	1	-	2	1	1	-	-
(101) OTHER CONGENITAL MALFORMATIONS OF THE CIRCULATORY SYSTEM	1	-	-	1	-	-	-	-	1	-	-	1	-	-	-	-
(104) CONGENITAL MALFORMATIONS OF GENITOURINARY SYSTEM	1	1	-	-	1	1	-	-	-	-	-	-	-	-	-	-
(105) CONGENITAL MALFORMATIONS AND DEFORMATIONS OF MUSCULOSKELETAL SYSTEM, LIMBS AND INTEGUMENT	2	2	-	-	2	2	-	-	-	-	-	-	-	-	-	-
(107) EDWARD'S SYNDROME	4	4	-	-	4	4	-	-	-	-	-	-	-	-	-	-
(108) PATAU'S SYNDROME	1	-	1	-	1	-	1	-	-	-	-	-	-	-	-	-
(110) OTHER CHROMOSOMAL ABNORMALITIES NOT ELSE WHERE CLASSIFIED SYMPTOMS	1	1	-	-	1	1	-	-	-	-	-	-	-	-	-	-
SIGNS AND ABNORMAL CLINICAL AND LABORATORY FINDINGS, NOT ELSE WHERE CLASSIFIED	17	11	4	2	-	-	-	-	1	-	-	1	16	11	4	1
(111#) SUDDEN INFANT DEATH SYNDROME	12	8	3	1	-	-	-	-	-	-	-	-	12	8	3	1
(112) OTHER SYMPTOMS SIGNS AND ABNORMAL CLINICAL AND LABORATORY FINDINGS NOT ELSE WHERE CLASSIFIED	1	1	-	-	-	-	-	-	-	-	-	-	1	1	-	-
(113) ALL OTHER DISEASES (RESIDUAL)	1	1	-	-	-	-	-	-	-	-	-	-	1	1	-	-
EXTERNAL CAUSES OF MORTALITY	4	1	2	1	-	-	-	-	-	-	-	-	4	1	2	1
(#) ACCIDENTS	4	1	2	1	-	-	-	-	-	-	-	-	4	1	2	1
TRANSPORT ACCIDENTS	2	1	1	-	-	-	-	-	-	-	-	-	2	1	1	-
(114) MOTOR VEHICLE ACCIDENTS	2	1	1	-	-	-	-	-	-	-	-	-	2	1	1	-
(118) ACCIDENTAL SUFFICATION AND STRANGULATION IN BED	1	-	1	-	-	-	-	-	-	-	-	-	1	-	1	-
(124) OTHER AND UNSPECIFIED ACCIDENTS AND THEIR SEQUELAE	1	-	-	1	-	-	-	-	-	-	-	-	1	-	-	1

TABLE D-8

FREQUENCY OF INFANT DEATH BY RACE*, AGE, AND COUNTY OF RESIDENCE
FIVE-YEAR INFANT MORTALITY RATE BY COUNTY OF RESIDENCE
MONTANA, 2003

COUNTY	TOTAL UNDER 1 YEAR			1 TO 7 DAYS			8 TO 28 DAYS			29 DAYS TO 1 YEAR			INFANT MORTALITY RATE+ 1999-2003		
	TOTAL	WHITE	OTHER	TOTAL	WHITE	OTHER	TOTAL	WHITE	OTHER	TOTAL	WHITE	OTHER	DEATHS	BIRTHS	RATI
MONTANA TOTAL	77	58	19	32	25	7	10	7	3	35	26	9	365	55,101	6
BEAVERHEAD	1	1	-	-	-	-	-	-	-	1	1	-	2	464	4
BIG HORN	1	1	-	-	-	-	-	-	-	1	1	-	9	1,252	7
BLAINE	-	-	-	-	-	-	-	-	-	-	-	-	3	529	5
BROADWATER	-	-	-	-	-	-	-	-	-	-	-	-	2	187	10
CARBON	-	-	-	-	-	-	-	-	-	-	-	-	3	437	6
CARTER	-	-	-	-	-	-	-	-	-	-	-	-	-	41	
CASCADE	10	7	3	2	1	1	2	2	-	6	4	2	47	5,374	8
CHOUTEAU	-	-	-	-	-	-	-	-	-	-	-	-	-	212	
CUSTER	1	1	-	1	1	-	-	-	-	-	-	-	5	672	7.
DANIELS	-	-	-	-	-	-	-	-	-	-	-	-	1	77	13
DAWSON	2	2	-	1	1	-	-	-	-	1	1	-	2	452	4
DEER LODGE	1	1	-	-	-	-	1	1	-	-	-	-	3	399	7.
FALLON	-	-	-	-	-	-	-	-	-	-	-	-	1	131	7.
FERGUS	1	1	-	1	1	-	-	-	-	-	-	-	5	537	9.
FLATHEAD	3	2	1	2	2	-	1	-	1	-	-	-	28	4,793	5.
GALLATIN	6	5	1	1	1	-	1	-	1	4	4	-	23	4,357	5.
GARFIELD	-	-	-	-	-	-	-	-	-	-	-	-	-	76	
GLACIER	5	1	4	1	-	1	-	-	-	4	1	3	10	1,247	8.
GOLDEN VALLEY	-	-	-	-	-	-	-	-	-	-	-	-	-	55	
GRANITE	1	1	-	-	-	-	-	-	-	1	1	-	1	102	9.
HILL	3	2	1	2	2	-	1	-	1	-	-	-	8	1,332	6.
JEFFERSON	-	-	-	-	-	-	-	-	-	-	-	-	1	446	2.
JUDITH BASIN	-	-	-	-	-	-	-	-	-	-	-	-	-	87	
LAKE	5	2	3	4	2	2	-	-	-	1	-	1	24	1,799	13 3
LEWIS & CLARK	4	4	-	1	1	-	-	-	-	3	3	-	22	3,316	6.6
LIBERTY	-	-	-	-	-	-	-	-	-	-	-	-	1	93	10.8
LINCOLN	2	2	-	1	1	-	-	-	-	1	1	-	8	916	8.7
MCCONE	-	-	-	-	-	-	-	-	-	-	-	-	-	74	-
MAOISON	-	-	-	-	-	-	-	-	-	-	-	-	-	269	-
MEAGHER	-	-	-	-	-	-	-	-	-	-	-	-	2	106	18.9
MINERAL	2	2	-	1	1	-	-	-	-	1	1	-	3	203	14.8
MISSOULA	8	5	3	4	2	2	1	1	-	3	2	1	30	5,611	5.3
MUSSELSHELL	-	-	-	-	-	-	-	-	-	-	-	-	2	245	8 2
PARK	1	1	-	-	-	-	1	1	-	-	-	-	4	844	4 7
PETROLEUM	-	-	-	-	-	-	-	-	-	-	-	-	-	22	-
PHILLIPS	1	1	-	-	-	-	-	-	-	1	1	-	2	203	9.9
PONDERA	-	-	-	-	-	-	-	-	-	-	-	-	3	365	8 2
POWDER RIVER	-	-	-	-	-	-	-	-	-	-	-	-	-	76	-
POWELL	-	-	-	-	-	-	-	-	-	-	-	-	3	289	10 4
PRAIRIE	-	-	-	-	-	-	-	-	-	-	-	-	-	49	-
RAVALLI	5	5	-	3	3	-	1	1	-	1	1	-	14	2,090	6.7
RICHLAND	-	-	-	-	-	-	-	-	-	-	-	-	1	471	2.1
ROOSEVELT	2	-	2	-	-	-	-	-	-	2	-	2	10	1,011	9 9
ROSEBUD	-	-	-	-	-	-	-	-	-	-	-	-	7	798	8.8
SANDERS	1	1	-	-	-	-	-	-	-	1	1	-	6	524	11.5
SHERIDAN	-	-	-	-	-	-	-	-	-	-	-	-	-	114	-
SILVER BOW	2	2	-	1	1	-	1	1	-	-	-	-	7	1,903	3.7
STILLWATER	-	-	-	-	-	-	-	-	-	-	-	-	1	433	2.3
SWEET GRASS	1	1	-	1	1	-	-	-	-	-	-	-	2	183	10.9
TETON	-	-	-	-	-	-	-	-	-	-	-	-	2	331	6 0
TOOLE	-	-	-	-	-	-	-	-	-	-	-	-	-	245	-
TREASURE	-	-	-	-	-	-	-	-	-	-	-	-	-	22	-
VALLEY	1	1	-	-	-	-	-	-	-	1	1	-	3	427	7.0
WHEATLAND	-	-	-	-	-	-	-	-	-	-	-	-	1	119	8.4
WIBAUX	-	-	-	-	-	-	-	-	-	-	-	-	-	39	-
YELLOWSTONE	7	6	1	5	4	1	-	-	-	2	2	-	53	8,635	6.1
YELLOWSTONE PARK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NOT STATED	-	-	-	-	-	-	-	-	-	-	-	-	-	17	-

* EITHER RACIAL CATEGORY MAY INCLUDE "HISPANIC"; "OTHER" ALSO INCLUDES RACE NOT STATED.
\+ PER 1,000 LIVE BIRTHS.

TABLE D-9

FREQUENCY AND RATE OF DEATH FROM SELECTED COMMUNICABLE DISEASES BY YEAR*
MONTANA, 1910-2003

ICD-9	051		032		487		055		038	
ICD-10	A05		A36		J10-J11		B05		A39	
YEAR	BOTULISM+		DIPHTHERIA		INFLUENZA		MEASLES		MENINGOCOCCAL INFECTION	
	NUMBER	RATE**	NUMBER	RATE**	NUMBER	RATE**	NUMBER	RATE**	NUMBER	RATE**
1910	-	-	61	18.2	24	6.4	16	4.3	1	0.3
1915	5	1.1	21	4.5	41	8.8	7	1.5	7	1.5
1920	4	0.7	32	5.8	304	55.4	27	4.8	15	2.7
1925	6	1.1	34	6.3	109	20.1	5	0.9	5	0.9
1930	7	1.3	4	0.7	102	19.0	12	2.2	22	4.1
1935	3	0.5	14	2.5	173	31.5	49	8.9	15	2.7
1940	2	0.4	6	1.1	77	13.8	5	0.9	6	1.1
1945	1	0.2	4	0.8	47	9.3	1	0.2	3	0.6
1948	1	0.2	5	1.0	25	4.8	3	0.6	3	0.6
1947	1	0.2	2	0.4	33	6.1	13	2.4	3	0.6
1948	3	0.5	3	0.5	13	2.3	12	2.2	1	0.2
1949	2	0.3	3	0.5	13	2.3	3	0.5	3	0.5
1950	-	-	2	0.3	23	3.9	-	-	1	0.2
1951	2	0.3	-	-	30	5.0	9	1.5	5	0.6
1952	-	-	1	0.2	22	3.7	4	0.7	4	0.7
1953	-	-	3	0.5	59	9.6	4	0.6	2	0.3
1954	-	-	3	0.5	6	1.0	5	0.8	6	1.0
1955	-	-	1	0.2	12	1.9	4	0.6	5	0.8
1956	-	-	1	0.2	4	0.6	1	0.2	7	1.1
1957	-	-	1	0.1	25	3.7	3	0.4	3	0.4
1958	-	-	-	-	14	2.1	2	0.3	4	0.6
1959	-	-	-	-	15	2.2	5	0.7	3	0.4
1960	-	-	-	-	37	5.5	1	0.1	3	0.4
1961	-	-	-	-	8	1.2	1	0.1	1	0.1
1962	-	-	-	-	12	1.7	-	-	4	0.6
1963	-	-	-	-	31	4.4	-	-	3	0.4
1964	1	0.1	-	-	29	4.1	2	0.3	2	0.3
1965	-	-	-	-	5	0.7	-	-	3	0.4
1966	1	0.1	-	-	49	7.0	-	-	2	0.3
1967	-	-	-	-	3	0.4	-	-	2	0.3
1968	-	-	-	-	30	4.3	-	-	2	0.3
1969	-	-	-	-	38	5.5	2	0.3	2	0.3
1970	-	-	2	0.3	8	1.2	-	-	1	0.1
1971	-	-	-	-	9	1.3	2	0.3	2	0.3
1972	-	-	-	-	15	2.1	-	-	2	0.3
1973	-	-	-	-	43	6.0	-	-	2	0.3
1974	-	-	-	-	11	1.5	-	-	1	0.1
1975	-	-	-	-	17	2.3	-	-	-	-
1976	-	-	-	-	95	12.6	-	-	-	-
1977	-	-	-	-	9	1.2	-	-	2	0.3
1978	-	-	-	-	19	2.4	-	-	2	0.3
1979	-	-	-	-	4	0.5	-	-	4	0.5
1980	-	-	-	-	24	3.1	-	-	-	-
1981	1	0.1	-	-	10	1.3	-	-	1	0.1
1982	-	-	-	-	8	1.0	-	-	1	0.1
1983	-	-	-	-	26	3.2	-	-	1	0.1
1984	-	-	-	-	19	2.3	-	-	-	-
1985	-	-	-	-	24	2.9	-	-	3	0.4
1986	-	-	-	-	24	2.9	-	-	-	-
1987	-	-	-	-	9	1.1	-	-	-	-
1988	-	-	-	-	21	2.6	-	-	-	-
1989	-	-	-	-	19	2.4	-	-	-	-
1990	-	-	-	-	15	1.9	-	-	2	0.3
1991	-	-	-	-	7	0.9	-	-	-	-
1992	-	-	-	-	7	0.8	-	-	-	-
1993	-	-	-	-	13	1.5	-	-	-	-
1994	-	-	-	-	15	1.8	-	-	1	0.1
1995	-	-	-	-	6	0.7	-	-	1	0.1
1996	-	-	-	-	11	1.3	-	-	2	0.2
1997	-	-	-	-	0	-	-	-	-	-
1998	-	-	-	-	80	8.8	-	-	-	-
1999	-	-	-	-	35	4.0	-	-	1	0.1
2000	-	-	-	-	10	1.1	-	-	-	-
2001	-	-	-	-	3	0.3	-	-	2	0.2
2002	-	-	-	-	7	0.8	-	-	-	-
2003	-	-	-	-	18	2.0	-	-	-	-

* DATA FOR 1910-45 ARE BY PLACE OF OCCURRENCE. BEGINING IN 1946, DATA ARE BY PLACE OF RESIDENCE.

\+ PRIOR TO 1949 THE INTERNATIONAL CLASSIFICATION OF DISEASES DID NOT PERMIT IDENTIFICATION OF BOTULISM AS SUCH. THE MORE GENERAL RUBRIC OF "FOOD POISONING" IS REPORTED. THE DEATHS SHOWN PRIOR TO 1968 INCLUDE THOSE ASSIGNED TO "FOOD POISONING UNSPECIFIED."

** PER 100,000 ESTIMATED MIDYEAR POPULATION. U.S. CENSUS ENUMERATIONS USED FOR YEARS ENDING IN ZERO.

TABLE D-9 (CONCLUDED)

FREQUENCY AND RATE OF DEATH FROM SELECTED COMMUNICABLE DISEASES BY YEAR*
MONTANA, 1910-2003

ICD-9	045 138		082 0		137 010-018		002 0		033	
ICD-10	A80		A77		A16-A19		A010		A37	
YEAR	POLIOMYELITIS		ROCKY MOUNTAIN SPOTTED FEVER+		TUBERCULOSIS		TYPHOID FEVER		WHOOPING COUGH	
	NUMBER	RATE**	NUMBER	RATE**	NUMBER	RATE**	NUMBER	RATE**	NUMBER	RATE**
1910	17	4 5	-	-	340	90.4	151	40 2	41	10 9
1915	1	0 2	8	1 7	530	113 2	57	12 2	38	7.7
1920	5	0 9	7	1 3	419	76 4	27	4 9	51	9 3
1925	6	1 1	11	2 0	396	73 0	24	4 4	63	11 8
1930	6	1 1	9	1 7	337	62 7	18	3 0	18	3 0
1935	1	0 2	21	3 8	257	46 8	12	2 2	22	4 0
1940	7	1 3	7	1.3	231	41.3	3	0 5	5	0 9
1945	10	2 0	1	0 2	171	33 9	2	0 4	2	0 4
1946	5	1 0	5	1 0	164	31 4	2	0 4	2	0 4
1947	4	0.7	1	0 2	152	28 2	1	0 2	6	1 1
1948	6	1 1	1	0 2	146	26 2	-	-	6	1 1
1949	13	2 3	-	-	109	19 0	1	0 2	2	0 3
1950	3	0 5	1	0 2	114	19 3	-	-	10	1 7
1951	6	1 0	-	-	85	14 3	1	0 2	1	0 2
1952	8	1 3	1	0 2	79	13.1	1	0 2	1	0 2
1953	14	2 3	-	-	77	12 5	-	-	4	0 6
1954	9	1 4	-	-	62	9 9	-	-	1	0 2
1955	8	1.3	-	-	50	7.9	-	-	1	0 2
1956	-	-	-	-	48	7 3	-	-	1	0 2
1957	2	0 3	-	-	68	10 2	-	-	2	0 3
1958	5	0 8	-	-	45	6 8	-	-	-	-
1959	2	0 3	-	-	37	5 5	-	-	-	-
1960	7	1 0	1	0 1	31	4 8	-	-	1	0 1
1961	1	0 1	-	-	24	3 5	1	0 1	-	-
1962	-	-	-	-	32	4 5	-	-	-	-
1963	-	-	-	-	27	3 8	-	-	-	-
1964	-	-	-	-	28	4 0	1	0 1	-	-
1965	-	-	-	-	22	3 1	-	-	-	-
1966	-	-	-	-	21	3 0	-	-	-	-
1967	-	-	-	-	17	2 4	-	-	-	-
1968	1	0 1	-	-	15	2 2	-	-	-	-
1969	-	-	-	-	16	2 3	-	-	-	-
1970	-	-	-	-	12	1 7	-	-	-	-
1971	1	0 1	-	-	10	1 4	-	-	1	0 1
1972	-	-	-	-	11	1 5	-	-	-	-
1973	-	-	-	-	13	1 8	-	-	-	-
1974	1	0 1	-	-	17	2 3	-	-	-	-
1975	1	0 1	1	0 1	13	1 7	-	-	-	-
1976	-	-	-	-	9	1 2	-	-	-	-
1977	-	-	-	-	4	0.5	-	-	-	-
1978	1	0 1	-	-	11	1 4	-	-	-	-
1979	-	-	-	-	5	0 8	-	-	-	-
1980	-	-	-	-	8	0 8	-	-	-	-
1981	-	-	-	-	7	0 9	-	-	-	-
1982	-	-	-	-	7	0.9	-	-	-	-
1983	1	0.1	-	-	1	0 1	-	-	-	-
1984	2	0 2	-	-	10	1 2	-	-	-	-
1985	-	-	-	-	5	0 8	-	-	1	0 1
1986	-	-	-	-	5	0 6	-	-	-	-
1987	-	-	-	-	4	0.5	-	-	-	-
1988	1	0.1	-	-	2	0 2	-	-	-	-
1989	2	0 2	-	-	5	0 6	-	-	-	-
1990	-	-	-	-	2	0 3	-	-	-	-
1991	1	0.1	-	-	4	0 5	-	-	-	-
1992	1	0.1	-	-	4	0.5	-	-	-	-
1993	-	-	-	-	2	0 2	-	-	-	-
1994	-	-	-	-	6	0 7	-	-	-	-
1995	2	0 2	-	-	2	0 2	-	-	-	-
1998	2	0 2	-	-	1	0.1	-	-	1	0 1
1997	0	-	-	-	-	-	-	-	-	-
1998	1	0.1	-	-	4	0 5	-	-	-	-
1999	0	-	-	-	3	0 3	-	-	-	-
2000	0	-	-	-	2	0 2	-	-	-	-
2001	1	0.1	-	-	3	0 3	-	-	-	-
2002	1	0.1	-	-	-	-	-	-	-	-
2003	2	0 2	-	-	1	0 1	-	-	-	-

* DATA FOR 1910-45 ARE BY PLACE OF OCCURRENCE. BEGINING IN 1946, DATA ARE BY PLACE OF RESIDENCE.
\+ DEATHS FROM ROCKY MOUNTAIN SPOTTED FEVER FOR THE YEARS 1915 - 1920 ARE COURTESY OF ROBERT PHILLIPS PH.D. (RETIRED), ROCKY MOUNTAIN LABORATORY, HAMILTON, MONTANA.
** PER 100,000 ESTIMATED MIDYEAR POPULATION. U.S. CENSUS ENUMERATIONS USED FOR YEARS ENDING IN ZERO.

TABLE F-1

FREQUENCY OF FETAL DEATH BY RACE*, SEX, COMPLETED WEEKS OF GESTATION,
AND UP TO 124 SELECTED UNDERLYING CAUSES
MONTANA RESIDENT, 2003

CAUSE OF DEATH**	ALL GESTATIONAL AGES					LESS THAN 23 WEEKS				
	TOTAL	WHITE MALE	OTHER MALE	WHITE FEMALE	OTHER FEMALE	TOTAL	WHITE MALE	OTHER MALE	WHITE FEMALE	OTHER FEMALE
All causes	55	20	7	24	4	13	4	4	5	-
(6#) In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior	1	-	1	-	-	1	-	1	-	-
Certain conditions originating in the perinatal period	41	14	4	19	4	9	2	3	4	-
(#) Fetus affected by maternal complications of pregnancy	4	1	2	1	-	4	1	2	1	-
(26) Fetus affected by incompetent cervix	1	-	1	-	-	1	-	1	-	-
(27) Fetus affected by premature rupture of membranes	2	1	1	-	-	2	1	1	-	-
(28) Fetus affected by oligohydramnios	1	-	-	1	-	1	-	-	1	-
(#) Fetus affected by complications of placenta, cord and membranes	21	9	2	9	1	4	1	1	2	-
(36) Fetus affected by other forms of placental separation and hemorrhage	8	4	-	4	-	2	-	-	2	-
(37) Fetus affected by other and unspecified morphological and functional abnormalities of placenta	1	1	-	-	-	-	-	-	-	-
(38) Fetus affected by placental transfusion syndromes	1	1	-	-	-	-	-	-	-	-
(40) Fetus affected by other compression of umbilical cord	7	2	1	4	-	-	-	-	-	-
(41) Fetus affected by other and unspecified conditions of umbilical cord	2	-	-	1	1	-	-	-	-	-
(42) Fetus affected by chorioamnionitis	2	1	1	-	-	2	1	1	-	-
(#) Intrauterine hypoxia and birth asphyxia	2	-	-	2	-	-	-	-	-	-
(62) Intrauterine hypoxia, unspecified	2	-	-	2	-	-	-	-	-	-
(77#) Fetal hemorrhage	1	-	-	-	1	-	-	-	-	-
Other conditions originating in the perinatal period	13	4	-	7	2	1	-	-	1	-
(87#) Hydrops fetalis not due to hemolytic disease	1	-	-	1	-	1	-	-	1	-
(88#) Fetal death of unspecified cause	12	4	-	6	2	-	-	-	-	-
(#) Congenital malformations, deformations and chromosomal abnormalities	3	-	1	2	-	-	-	-	-	-
(112) Congenital malformations and deformations of musculoskeletal system, limbs and integument	2	-	1	1	-	-	-	-	-	-
Other congenital malformations	1	-	-	1	-	-	-	-	-	-
(115) All other congenital malformations	1	-	-	1	-	-	-	-	-	-

* ANY RACIAL CATEGORY MAY INCLUDE "HISPANIC"; "OTHER" ALSO INCLUDES RACE NOT STATED.

**LIST OF 124 SELECTED UNDERLYING CAUSES OF FETAL DEATH. LINE NUMBERS SHOWN IN PRENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES SHOWN IN FIGURE 5. THOSE MARKED WITH A # SIGN ARE RANKABLE AS LEADING CAUSES.

TABLE F-1 (CONCLUDED)

FREQUENCY OF FETAL DEATH BY RACE*, SEX, COMPLETED WEEKS OF GESTATION,
AND UP TO 124 SELECTED UNDERLYING CAUSES
MONTANA RESIDENT, 2003

CAUSE OF DEATH**	23 TO 33 WEEKS					34 WEEKS OR MORE				
	TOTAL	WHITE MALE	OTHER MALE	WHITE FEMALE	OTHER FEMALE	TOTAL	WHITE MALE	OTHER MALE	WHITE FEMALE	OTHER FEMALE
All causes	17	8	2	5	1	28	9	4	14	1
Certain conditions originating in the perinatal period	12	6	-	5	1	24	7	3	13	1
(#) Fetus affected by maternal complications of pregnancy	-	-	-	-	-	1	-	-	-	1
(26) Fetus affected by incompetent cervix	-	-	-	-	-	1	-	-	-	1
(27) Fetus affected by premature rupture of membranes	-	-	-	-	-	-	-	-	-	-
(#) Fetus affected by complications of placenta, cord and membranes	7	3	-	4	-	15	4	3	8	-
(36) Fetus affected by other forms of placental separation and hemorrhage	1	1	-	-	-	2	-	-	2	-
(37) Fetus affected by other and unspecified morphological and functional abnormalities of placenta	2	1	-	1	-	2	1	-	1	-
(38) Fetus affected by placental transfusion syndromes	1	-	-	1	-	-	-	-	-	-
(40) Fetus affected by other compression of umbilical cord	-	-	-	-	-	6	2	1	3	-
(41) Fetus affected by other and unspecified conditions of umbilical cord	3	1	-	2	-	4	1	1	2	-
(43) Fetus affected by other and unspecified abnormalities of membranes	-	-	-	-	-	1	-	1	-	-
(#) Disorders related to short gestation and low birth weight, not elsewhere classified	-	-	-	-	-	-	-	-	-	-
(54) Extremely low birth weight or extreme immaturity	-	-	-	-	-	-	-	-	-	-
Other conditions originating in the perinatal period	5	3	-	1	1	8	3	-	5	-
(88#) Fetal death of unspecified cause	5	3	-	1	1	8	3	-	5	-
(#) Congenital malformations, deformations and chromosomal abnormalities	5	2	2	-	-	4	2	1	1	-
(103) Congenital malformations of heart	1	1	-	-	-	-	-	-	-	-
Congenital malformations of urinary system	2	-	1	-	-	1	-	1	-	-
(109) Renal agenesis and other reduction defects of kidney	2	-	1	-	-	1	-	1	-	-
(112) Congenital malformations and deformations of musculoskeletal system, limbs and integument	-	-	-	-	-	2	2	-	-	-
Other congenital malformations	1	-	1	-	-	-	-	-	-	-
(115) All other congenital malformations	1	-	1	-	-	-	-	-	-	-
Chromosomal abnormalities, not elsewhere classified	1	1	-	-	-	1	-	-	1	-

* ANY RACIAL CATEGORY MAY INCLUDE "HISPANIC"; "OTHER" ALSO INCLUDES RACE NOT STATED.

**LIST OF 124 SELECTED UNDERLYING CAUSES OF FETAL DEATH. LINE NUMBERS SHOWN IN PRENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES SHOWN IN FIGURE 5. THOSE MARKED WITH A # SIGN ARE RANKABLE AS LEADING CAUSES.

TABLE A-1

FREQUENCY OF INDUCED ABORTION BY NUMBER OF PREVIOUS INDUCED ABORTIONS
AND NUMBER OF PREVIOUS PREGNANCIES
MONTANA OCCURRENCES, 2003

TOTAL PAST PREGNANCIES	TOTAL	PREVIOUS INDUCED ABORTIONS							
		NONE	ONE	TWO	THREE	FOUR	FIVE	SIX OR MORE	NOT STATED
TOTAL	2,213	1,431	543	168	48	18	1	4	-
NONE	754	754	-	-	-	-	-	-	-
ONE	474	292	182	-	-	-	-	-	-
TWO	371	205	127	39	-	-	-	-	-
THREE	280	109	118	45	8	-	-	-	-
FOUR	175	45	76	37	12	5	-	-	-
FIVE	79	11	24	26	13	5	-	-	-
SIX	40	7	8	16	5	4	-	-	-
SEVEN	15	2	3	1	6	2	-	1	-
EIGHT	10	2	4	-	3	-	-	1	-
NINE OR MORE	15	4	1	4	1	2	1	2	-
NOT STATED	-	-	-	-	-	-	-	-	-

TABLE A-2

FREQUENCY OF INDUCED ABORTION BY AGE OF PATIENT
MONTANA OCCURRENCES, 2003

PATIENT'S AGE	NUMBER
MONTANA TOTAL	2,213
UNDER 12	-
12-14	9
15-17	180
18-19	284
20-24	742
25-29	471
30-34	255
35-39	179
40-44	78
45 AND OVER	11
NOT STATED	4

TABLE A-3

FREQUENCY OF INDUCED ABORTION BY COMPLETED WEEKS OF GESTATION AND BY PRIMARY PROCEDURE*
MONTANA OCCURRENCES, 2003

PRIMARY PROCEDURE *	TOTAL	LENGTH OF GESTATION IN WEEKS							
		9 OR FEWER	10-11	12-13	14-15	16-17	18-19	20 OR MORE	NOT STATED
TOTAL	2,213	1,439	337	184	99	48	57	42	7
DILATION AND EVACUATION (D&E)	156	2	-	4	30	29	56	35	-
INTRA-UT PROSTAG	-	-	-	-	-	-	-	-	-
SHARP CURRETTAGE	4	1	1	-	1	-	-	1	-
SUCTION CURRETTAGE	1,956	1,344	336	180	68	19	-	4	5
NOT STATED	-	-	-	-	-	-	-	-	-
OTHER	97	92	-	-	-	-	1	2	2

* THE PROCEDURE THAT TERMINATED PREGNANCY, AS OPPOSED TO "ADDITIONAL PROCEDURES USED."

TABLE A-4

FREQUENCY OF INDUCED ABORTION BY COUNTY OF RESIDENCE AND COUNTY OF OCCURRENCE
MONTANA, 2003

COUNTY	RESIDENCE	OCCURRENCE	COUNTY	RESIDENCE	OCCURRENCE
BEAVERHEAD	19	-	PONDERA	3	-
BIG HORN	29	-	POWDER RIVER	2	-
BLAINE	11	-	POWELL	6	-
BROADWATER	9	-	PRAIRIE	1	-
CARBON	21	-	RAVALLI	59	-
CARTER	-	-	RICHLAND	5	-
CASCADE	168	134	ROOSEVELT	16	-
CHOUTEAU	2	-	ROSEBUD	16	-
CUSTER	16	-	SANDERS	14	-
DANIELS	-	-	SHERIDAN	-	-
DAWSON	12	-	SILVER BOW	64	-
DEER LODGE	15	-	STILLWATER	11	-
FALLON	3	-	SWEET GRASS	2	-
FERGUS	11	-	TETON	5	-
FLATHEAD	216	252	TOOLE	2	-
GALLATIN	187	-	TREASURE	2	-
GARFIELD	1	-	VALLEY	7	-
GLACIER	28	-	WHEATLAND	2	-
GOLDEN VALLEY	-	-	WIBAUX	-	-
GRANITE	2	-	YELLOWSTONE	331	755
HILL	23	-	NOT STATED	20	-
JEFFERSON	10	-			
JUDITH BASIN	1	-	TOTAL, MONTANA	1,979	2,213
LAKE	48	-	RESIDENTS		
LEWIS & CLARK	123	276	OUT OF STATE		
LIBERTY	-	-	RESIDENTS		
LINCOLN	16	-	IDAHO	25	NA
MCCONE	1	-	NORTH DAKOTA	16	NA
MADISON	11	-	SOUTH DAKOTA	10	NA
MEAGHER	4	-	WYOMING	165	NA
MINERAL	10	-	OTHER STATES	13	NA
MISSOULA	375	796			
MUSSELSHELL	9	-	CANADA	5	NA
PARK	29	-	REST OF WORLD	0	NA
PETROLEUM	-	-	NOT STATED	0	NA
PHILLIPS	1	-			
			TOTAL	2,213	NA

TABLE M-1

FREQUENCY AND PERCENT DISTRIBUTION OF MARRIAGES BY MONTH OF OCCURRENCE
MONTANA OCCURRENCES, 2003

MONTH	NUMBER	PERCENT	MONTH	NUMBER	PERCENT
MONTANA, TOTAL	6,640	100.0	JULY	964	14.5
			AUGUST	1,162	17.5
JANUARY	288	4.3	SEPTEMBER	588	8.9
FEBRUARY	326	4.9	OCTOBER	446	6.7
MARCH	307	4.6	NOVEMBER	289	4.4
APRIL	294	4.4	DECEMBER	391	5.9
MAY	553	8.3			
JUNE	1,032	15.5	NOT STATED	-	-

TABLE M-2

FREQUENCY OF MARRIAGE BY PREVIOUS MARITAL STATUS AND AGE OF BRIDE AND BY PREVIOUS MARTIAL STATUS AND AGE OF GROOM
MONTANA OCCURRENCES, 2003

AGE	BRIDE					GROOM				
	TOTAL	PREVIOUS MARITAL STATUS				TOTAL	PREVIOUS MARITAL STATUS			
		SINGLE	WIDOWED	DIVORCED	NOT STATED		SINGLE	WIDOWED	DIVORCED	NOT STATED
TOTAL	6,640	4,157	226	2,224	33	6,640	4,262	202	2,145	31
UNDER 15	0	0	0	0	0	-	0	0	0	0
15-19	501	499	-	1	1	204	203	-	-	1
20-24	1,993	1,891	1	100	1	1,528	1,485	1	41	1
25-29	1,392	1,089	9	287	7	1,534	1,357	3	173	1
30-34	816	415	8	390	3	974	665	1	305	3
35-39	539	133	20	382	4	646	281	2	356	7
40-44	480	72	25	379	4	568	172	11	382	3
45-49	364	43	28	290	3	393	63	10	316	4
50-54	222	8	22	191	1	285	21	17	245	2
55-59	147	5	21	119	2	206	11	31	162	2
60-64	80	1	19	58	2	122	3	17	101	1
65-69	48	-	28	18	2	68	-	29	38	1
70-74	27	-	22	4	1	47	-	29	16	2
75 AND OVER	28	-	23	5	-	63	1	51	10	1
NOT STATED	3	1	-	-	2	2	-	-	-	2

TABLE M-3

FREQUENCY OF FIRST MARRIAGE* BY AGE OF BRIDE AND AGE OF GROOM
MONTANA OCCURRENCES, 2003

AGE OF GROOM	AGE OF BRIDE										
	TOTAL, ALL AGES	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55 AND OVER	NOT STATED
TOTAL, ALL AGES	3,517	472	1,728	904	302	70	24	13	2	1	1
15-19	196	137	58	-	-	1	-	-	-	-	-
20-24	1,392	281	996	108	6	1	-	-	-	-	-
25-29	1,175	46	544	506	71	7	1	-	-	-	-
30-34	491	5	104	224	137	19	2	-	-	-	-
35-39	161	1	20	54	58	21	4	3	-	-	-
40-44	75	1	6	9	26	16	14	3	-	-	-
45-49	16	1	-	2	4	5	1	2	1	-	-
50-54	6	-	-	-	-	-	2	3	1	-	-
55 AND OVER	5	-	-	1	-	-	-	2	-	1	1
NOT STATED	-	-	-	-	-	-	-	-	-	-	-

* FIRST MARRIAGE FOR BOTH BRIDE AND GROOM.

TABLE M-4

MEDIAN AGES OF BRIDES AND GROOMS
MONTANA OCCURRENCES, 1994 - 2003

YEAR OF MARRIAGE	MEDIAN AGE OF BRIDE			MEDIAN AGE OF GROOM		
	ALL MARRIAGES	FIRST MARRIAGES FOR BRIDES	FIRST MARRIAGES FOR BOTH*	ALL MARRIAGES	FIRST MARRIAGES FOR GROOMS	FIRST MARRIAGES FOR BOTH*
1994	26	23	22	29	25	24
1995	26	23	22	29	25	24
1996	27	23	22	29	25	24
1997	27	23	22	29	25	24
1998	27	23	23	29	25	24
1999	27	23	23	29	26	25
2000	27	23	23	29	26	25
2001	27	23	23	29	25	25
2002	27	23	23	29	26	25
2003	27	24	23	30	26	25

* FIRST MARRIAGE FOR BOTH BRIDE AND GROOM.

TABLE MT-1

FREQUENCY OF MARITAL TERMINATION* BY TYPE AND BY LEGAL GROUNDS FOR DECREE MONTANA OCCURRENCES, 2003

TYPES OF MARITAL TERMINATION AND LEGAL GROUNDS	NUMBER
MARITAL TERMINATIONS, TOTAL	3,255
MARRITAL DISSOLUTIONS, TOTAL	3,232
IRRECONCILLABLE DIFFERENCES	3,232
INVALID MARRIAGES, TOTAL	23
LACKED CAPACITY TO CONSENT	6
LACKED PHYSICAL CAPACITY	2
PROHIBITED MARRIAGE	2
NOT STATED	13

* DATA WERE COLLECTED BY THE MONTANA OFFICE OF VITAL STATISTICS (OVS) THROUGH SEPTEMBER 1998 AND BY THE JUDICIAL CASE MANAGEMENT SYSTEM (JCMS) THEREAFTER. DATA COLLECTED BY JCMS ARE NOT COMPARABLE TO THOSE COLLECTED BY OVS AND SHOULD BE USED WITH CAUTION.

TABLE MT-2

FREQUENCY OF MARITAL TERMINATION* BY AGE OF WIFE AND AGE OF HUSBAND
MONTANA OCCURRENCES, 2003

AGE OF HUSBAND	AGE OF WIFE										
	TOTAL, ALL	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55 AND OVER	NOT STATE
TOTAL, ALL AGES	3,255	22	310	443	494	499	486	401	239	202	159
15-19	7	4	2	-	-	1	-	-	-	-	-
20-24	174	14	138	19	1	-	-	-	-	-	2
25-29	362	3	109	189	38	8	5	2	-	-	8
30-34	485	-	32	145	218	52	18	3	3	-	14
35-39	466	-	7	53	126	192	61	11	7	-	9
40-44	490	1	6	20	58	143	165	58	15	6	18
45-49	456	-	2	4	27	62	146	149	39	11	16
50-54	299	-	-	1	7	20	52	99	94	20	6
55 AND OVER	334	-	-	1	5	8	26	68	75	141	10
NOT STATED	182	-	14	11	14	13	13	11	6	24	76

* DATA WERE COLLECTED BY THE MONTANA OFFICE OF VITAL STATISTICS (OVS) THROUGH SEPTEMBER 1998 AND BY THE JUDICIAL CASE MANAGEMENT SYSTEM (JCMS) THEREAFTER. DATA COLLECTED BY JCMS ARE NOT COMPARABLE TO THOSE COLLECTED BY OVS AND SHOULD BE USED WITH CAUTION

TABLE MT-3

FREQUENCY OF MARITAL TERMINATION* BY NUMBER
OF MINOR CHILDREN IN THE HOUSEHOLD
AND BY AGE OF WIFE
MONTANA OCCURRENCES, 2003

AGE OF WIFE	NUMBER OF MINOR CHILDREN								
	TOTAL	NONE	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN
TOTAL, ALL AGES	3,255	1,952	581	513	161	39	7	1	1
15-19	22	14	7	1	-	-	-	-	-
20-24	310	175	92	34	8	1	-	-	-
25-29	443	205	114	96	25	2	-	1	-
30-34	494	228	97	115	41	9	4	-	-
35-39	499	242	89	111	42	13	2	-	-
40-44	486	275	87	87	26	10	1	-	-
45-49	401	296	48	45	11	1	-	-	-
50-54	239	206	23	8	2	-	-	-	-
55-59	105	103	2	-	-	-	-	-	-
60-64	59	59	-	-	-	-	-	-	-
65-69	25	25	-	-	-	-	-	-	-
70-74	11	11	-	-	-	-	-	-	-
75 AND OVER	2	2	-	-	-	-	-	-	-
NOT STATED	159	111	22	16	6	3	-	-	1

* DATA WERE COLLECTED BY THE MONTANA OFFICE OF VITAL STATISTICS (OVS) THROUGH SEPTEMBER 1998 AND BY THE JUDICIAL CASE MANAGEMENT SYSTEM (JCMS) THEREAFTER. DATA COLLECTED BY JCMS ARE NOT COMPARABLE TO THOSE COLLECTED BY OVS AND SHOULD BE USED WITH CAUTION.

TABLE R-1

MONTANA DEPARTMENT OF PUBLIC HEALTH AND HUMAN SERVICES
COMMUNICABLE DISEASE PROGRAM
DISEASE SUMMARY, 2003

Reporting County	CAMPYLOBACTER	DIPTHERIA	PATHOGENIC ECOLI	GIARDIA	HAEMOPHILIS INFLUENZA B	HEPATITIS A	HEPATITIS B	HEPATITIS NON A NON B	LEGIONELLA	MEASLES	MENING	PERTUSSIS	RMSF	SALMONELLA	SHIGELLA	TUBERCULOSIS	FOODBORNE AND WATERBORNE OUTBREAK RELATED CASES INCIDENTS/CASES
Beaverhead	-	-	-	-	-	-	-	-	-	-	-	-	6	-	-	-	-
Big Horn	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11	1/3
Blaine	1	-	1	-	-	-	-	-	-	-	-	-	6	-	2	7	-
Broadwater	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	1	-
Carter	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-
Cascade	10	6	10	-	-	2	1	-	-	1	-	-	6	1	-	10	
Chouteau	2	-	-	-	-	-	-	-	-	-	-	-	1	-	-	2	-
Custer	-	-	1	-	1	-	-	-	-	-	-	-	2	-	-	14	-
Daniels	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	
Dawson	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9	-
Deer Lodge	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Fallon	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	-
Fergus	3	1	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-
Flathead	9	-	20	-	-	1	-	-	-	-	-	-	11	-	1	-	
Gallatin	36	3	16	-	2	1	-	-	-	1	-	1	9	-	-	1	-
Garfield	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-
Glacier	-	-	3	-	-	1	-	-	-	-	-	-	2	-	1	2	-
Golden Valley	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Granite	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
Hill	6	-	-	-	-	-	-	-	-	-	-	-	1	-	-	9	1/102
Jefferson	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Judith Basin	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lake	6	-	6	-	-	-	-	1	-	-	1	-	6	-	-	-	
Lewis & Clark	11	10	3	-	1	3	-	3	-	2	2	-	10	-	-	1	1/24
Liberty	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lincoln	-	-	2	-	-	-	-	-	-	-	-	-	2	-	1	-	
Madison	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1/36
McCone	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	2	-
Meagher	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mineral	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1/6
Missoula	6	3	19	-	3	1	-	-	-	-	-	-	13	-	-	2	2/60
Musselshell	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-
Park	6	-	3	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Petroleum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phillips	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-
Pondera	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	2	-
Powder River	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-
Powell	-	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
Prairie	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	-
Ravalli	7	-	10	-	-	1	1	-	-	-	-	-	2	-	-	-	-
Richland	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	12	-
Roosevelt	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	23	
Rosebud	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12	-
Sanders	-	-	1	-	-	-	-	-	-	-	-	-	6	-	-	-	1/34
Sheridan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12	-
Silver Bow	-	1	-	-	-	-	-	-	-	1	-	-	2	-	-	-	-
Stillwater	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-
Sweet Grass	1	-	-	-	-	-	-	-	-	-	-	-	6	-	-	1	-
Teton	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toole	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
Treasure	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	
Valley	1	1	-	-	-	-	-	-	-	-	-	-	3	-	1	17	1/3
Wheatland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Wibaux	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-
Yellowstone	21	2	14	-	1	4	1	-	-	1	-	-	12	1	-	36	3/142
2003 Total	132	28	116	0	8	16	4	4	0	6	8	1	112	2	7	220	12/399
2002 Total	112	38	94	0	13	10	1	4	0	3	10	1	91	4	12	1	12/193
2001 Total	110	32	96	0	16	3	1	0	0	4	64	1	61	9	17	0	12/843

* "Reporting county" reflects county of residence whenever possible.

** "Foodborne and Waterborne Outbreak Related Cases" reflects the number of individuals becoming ill due to a disease outbreak within these counties. These individuals may be from another county and also be reflected under that respective county if the disease is reportable (e.g. salmonella) and may include individuals who reside elsewhere.

The above disease totals reflect the cumulative number of reports received by DPHHS January through December 31, 2003. Each disease is classified by month of event. While month of event generally reflects the onset of symptoms, it may also reflect date of report or test. The reporting county is the county of residence/occurrence of the case. Data are subject to corrections.

TABLE R-2

MONTANA DEPARTMENT OF PULIC HEALTH AND HUMAN SERVICES
COMMUNICABLE DISEASE PROGRAM
SEXUALLY TRANSMITTED DISEASES BY COUNTY
2003 SUMMARY

Reporting County*	HIV/AIDS	CHLAMYDIA	GONORRHEA	SYPHILIS
Beaverhead	-	12	-	-
Big Horn	-	110	-	-
Blaine	-	58	8	-
Broadwater	-	1	-	-
Carbon	-	11	-	-
Carter	-	1	-	-
Cascade	5	334	19	-
Choteau	-	2	-	-
Custer	-	39	-	-
Daniels	-	-	-	-
Dawson	-	16	3	-
Deer Lodge	-	10	1	-
Fallon	-	2	-	-
Fergus	-	6	-	-
Flathead	1	112	7	-
Gallatin	3	158	4	-
Garfield	-	1	-	-
Glacier	-	194	-	-
Golden Valley	-	2	-	-
Granite	-	1	-	-
Hill	-	153	4	-
Jefferson	-	6	-	-
Judith Basin	-	1	-	-
Lake	-	105	4	-
Lewis & Clark	-	101	1	-
Liberty	-	-	-	-
Lincoln	-	36	-	-
Madison	-	1	-	-
McCone	-	-	-	-
Meagher	-	-	-	-
Mineral	-	3	-	-
Missoula	-	203	6	-
Musselshell	-	-	-	-
Park	1	19	-	-
Petroleum	-	-	-	-
Phillips	-	4	-	-
Pondera	-	4	-	-
Powder River	-	-	-	-
Powell	-	3	-	-
Prairie	-	2	-	-
Ravalli	-	46	7	-
Richland	-	17	-	-
Roosevelt	1	107	-	-
Rosebud	-	75	2	-
Sanders	-	20	1	-
Sheridan	-	1	-	-
Silver Bow	-	69	2	-
Stillwater	-	5	-	-
Sweet Grass	-	4	-	-
Teton	-	2	-	-
Treasure	-	-	-	-
Toole	-	7	-	-
Valley	-	10	-	-
Wheatland	-	-	-	-
Wibaux	-	1	-	-
Yellowstone	18	447	50	-
Other/Out of State	-	3	-	-
2003 Total	29(HIV & AIDS)	2,525	119	0
2002 Total	32(HIV & AIDS)	2,509	126	0
2001Total	114 (AIDS Only)	1,899	104	0

* "Reporting county" reflects county of residence whenever possible. Reports are counted as they are received by DPHHS. The above data include all reports received from January through December 31, 2003.

TABLE R-3

MONTANA DEPARTMENT OF PUBLIC HEALTH AND HUMAN SERVICES
COMMUNICABLE DISEASE PROGRAM
OTHER REPORTED DISEASES OF INTEREST, 2003

Reporting County	ASEP MENING	BAC MENIN OTR	COLORADO TICK	CREUTZFELDT JAKOB DIS	CRYPTOSPOR	CYTOMEGALO	H. FLU OTHER	HANTA VIRUS	KAWASAKI SYND	LISTERIA	ANIMAL RABIES	STREP INVA
Beaverhead	4	1	1	-	-	-	-	1	1	1	-	-
Blaine	1	-	-	-	-	-	-	-	-	-	-	-
Carbon	1	-	-	-	-	-	-	-	-	-	-	-
Cascade	8	1	-	-	-	-	-	1	-	-	1	-
Daniels	-	-	-	-	-	-	-	-	-	-	1	-
Dawson	-	-	-	1	1	-	-	-	-	-	2	-
Fergus	-	-	-	-	-	-	-	-	-	-	1	-
Flathead	9	1	-	-	1	-	-	-	-	-	2	-
Gallatin	15	-	-	-	5	-	1	-	-	-	-	-
Garfield	-	-	-	-	-	-	-	-	-	-	1	-
Glacier	-	1	-	-	-	-	-	-	-	-	-	-
Hill	2	1	-	-	-	-	-	-	-	-	-	-
Lake	3	1	-	-	-	-	-	-	-	1	-	-
Lewis & Clark	-	-	-	-	1	-	-	1	-	-	1	-
Lincoln	1	2	-	-	-	-	-	-	-	-	-	1
Mineral	-	-	-	-	-	-	-	-	-	-	1	-
Missoula	12	-	-	-	-	-	-	-	-	-	-	-
Musselshell	11	-	-	-	-	-	-	-	-	-	1	-
Park	-	1	-	-	4	-	-	-	-	-	5	-
Pondera	-	-	-	-	-	-	-	-	-	-	1	-
Powder River	-	-	-	-	-	-	-	-	-	-	1	-
Ravalli	-	-	-	-	-	1	-	-	-	-	-	-
Rosebud	-	-	-	-	-	-	-	-	-	-	-	-
Sanders	-	-	-	-	-	-	-	-	-	-	1	-
Silver Bow	1	2	-	-	-	-	-	-	-	-	-	-
Stillwater	1	-	-	-	-	-	-	-	-	-	-	-
Sweet Grass	1	-	-	-	1	-	-	-	-	-	-	-
Toole	-	-	-	-	-	-	-	1	-	-	-	-
Valley	-	-	-	-	-	-	-	-	-	-	1	-
Wibaux	-	-	-	-	-	-	-	-	-	-	2	-
Yellowstone	10	1	-	-	4	1	-	1	-	-	1	-
2003 Total	80	12	1	1	18	2	1	5	1	2	23	1
2002 Total	52	6	5	1	6	3	0	0	1	0	19	0
2001 Total	48	7	6	0	37	1	1	2	1	0	38	0

*Diseases which are reported infrequently or which are of special interest are detailed in this section as they occur. All counties reporting at least one case are listed.

STATEWIDE REPORTS:

Conditions which are reported to the Centers for Disease Control and Prevention or which are unique are reported below. Such conditions may include seasonal events such as influenza activity, as well as outbreaks or events for which heightened awareness is necessary.

RABIES REPORT:

21 (3.7%) of the 570 specimens submitted during 2003 tested positive for the virus.

Cascade	Lewis & Clark	One Bat	Sanders	One Bat
Daniels	Mineral	One Bat	Valley	One Bat
Dawson.	Mi Shell	One Bat	Wibaux	Two Skunks
Fergus.	Park	Five Skunks	Y'Stone	One Bat
Flathead.	Pondera	One Skunk		
Garfield:	Powder River	One Skunk		

FOODBORNE/WATERBORNE OUTBREAKS: The number of outbreaks/incidents and cases attributed to each are noted on page one. A short description of these reports are summarized below. Additional information may be obtained by contacting the county of report. Please report any "incident in which two or more persons experience similar gastrointestinal or diarrheal illness and epidemiological analysis implicates a common source of exposure". A single case of foodborne intoxication (botulism and scombroid) should be considered an outbreak and reported.

OUTBREAKS OF INTEREST:

Madison Co: 2/03 Outbreak of Norovirus (formerly known as Norwalk Virus) in a nursing home. Appr. 35 residents and staff ill.
Lewis & Clark Co: 2/03 outbreak of suspected viral gastroenteritis in nursing home. 24 residents and several staff reported ill.
Sanders Co: 2/03 Nursing wing experienced a suspect viral illness. 14 residents and 10 staff members ill with vomiting and diarrhea, no fever, symptoms lasting less than 3 days.
Mineral Co: 4/02 A small cluster of suspected viral gastroenteritis was reported in a nursing home sickening approximately 5 individuals.
Yellowstone Co: 5/03 17 of 30 attending a potluck ill. Preliminary investigation reflected some food handling practices of concern. No specific agent identified.
Sanders Co: 5/03 A group of students passing through in March ill, possibly after eating at a local establishment. No causative agent identified in WA state.
Sweet Grass, Carbon, Richland Co: 10 salmonella cases suspected associated with a salmonella outbreak in Cody WY. Investigation pending. Totals not included above at this time.
Missoula Co: 7/03 An outbreak of gastroenteritis related to a luncheon sickened 25 of 42 people. Symptoms consistent with a viral agent.
7/03 An outbreak of gastroenteritis sickened 25 of 150 attending a wedding reception prepared by an unlicensed caterer. No testing was conducted.
Yellowstone Co: 9/03 An outbreak of viral gastroenteritis resulted in 45 residents and approximately 20 illnesses among staff members of a nursing home. Testing indicates Norwalk virus. The outbreak appears to have spread through person to person transmission.
12/03- An outbreak of gastroententis sickened app. 60 of 100 individuals consuming a buffet. The event is under investigation.
Hill Co: 10/03 An outbreak confirmed to be Norovirus was reported in a nursing home. An investigation reflects person to person transmission as the most likely explanation for spread. at present is 50 of 117 residents and 42 of 183 staff ill.
Big Horn Co: 11/03 A suspected foodborne cluster sickening three individuals is under investigation. No causative agent identified at this time.
Valley Co 11/03 A cluster of three illnesses was reported and determined to be caused by salmonella. No other cases identified. Restaurant exposure was suspected

TABLE C-1
REPORTED NEOPLASMS BY ANATOMICAL SITE AND SEX
MONTANA RESIDENTS, 1994-2003 DIAGNOSES
CASES REPORTED AS OF DECEMBER 2004
MONTANA CENTRAL TUMOR REGISTRY

PRIMARY CANCER SITES	MALE	FEMALE	TOTAL
TOTAL, ALL SITES	23,425	22,873	46,298
Buccal Cavity and Pharynx	650	305	955
Lip	144	30	174
Tongue	132	72	204
Major Salivary gland	58	43	101
Floor of Mouth	43	25	68
Gum & Other Mouth	60	61	121
Nasopharynx	28	12	40
Tonsil	99	28	127
Oropharynx	28	9	37
Hypopharynx	44	16	60
Pharynx	14	9	23
Digestive System	4234	3500	7734
Esophagus	318	88	406
Stomach	396	208	604
Small Intestine	95	63	158
Colon	1750	1810	3560
Rectum & Rectosigmoid	840	515	1355
Anus & Anocanal	49	73	122
Liver	192	107	299
Gallbladder	34	66	100
Other Biliary	63	59	122
Pancreas	464	439	903
Retroperitoneum	14	17	31
Peritoneum	3	43	46
Other Digestive Organs	16	12	28
Respiratory System	3854	2840	6694
Nasal Cavity & Sinuses	34	28	62
Larynx	307	84	391
Lung & Bronchus	3496	2718	6214
Trachea & Pleura	17	10	27
Bones & Joints	53	40	93
Soft Tissue	106	107	213
Melanoma	888	660	1548
Breast	37	7500	7537
Eye	49	38	87

PRIMARY CANCER SITES	MALE	FEMALE	TOTAL
Female Genital System	---	3813	3813
Cervix	---	377	377
Cervix In-situ	---	1276	1276
Uterus	---	1121	1121
Ovary	---	741	741
Vagina	---	58	58
Vulva	---	215	215
Other Female Genital Organs	---	25	25
Male Genital System	7955	---	7955
Prostate	7624	---	7624
Testis	265	---	265
Penis	58	---	58
Other Male Genital Organs	8	---	8
Urinary System	2283	919	3202
Bladder	1583	495	2078
Kidney & Renal Pelvis	629	391	1020
Ureter	54	27	81
Other Urinary Organs	17	6	23
Brain & Other Nervous System	358	300	658
Brain	340	289	629
Other Nervous System	18	11	29
Endocrine System	200	579	779
Thyroid Gland	178	546	724
Other Endocrine	22	33	55
Lymphomas*	1039	879	1918
Hodgkin's Disease	130	121	251
Non-Hodgkin's Lymphomas	910	758	1668
Multiple Myeloma	272	203	475
Leukemias	660	479	1139
Acute Lymphocytic	36	40	76
Chronic Lymphocytic	231	150	381
Acute Myeloid	165	146	311
Chronic Myeloid	78	45	123
Other Leukemia	150	98	248
Unknown and Ill-defined Sites	787	711	1498

* Non-Hodgkins Lymphoma (NHL) and Hodgkins Disease are not included in the anatomical site (e g , lymphoma of the stomach is counted as a lymphoma, not stomach cancer).

TABLE C-2
MOST FREQUENTLY REPORTED NEOPLASMS BY SITE, SEX, AND AGE
MONTANA RESIDENTS, 1994-2003 DIAGNOSES
CASES REPORTED AS OF DECEMBER 2004
MONTANA CENTRAL TUMOR REGISTRY

	PRIMARY CANCER SITES																							
AGE AT	PROSTATE		BREAST		LUNG		COLON		RECTUM & RECTOSIG		BLADDER		UTERUS		NHL & HODGKINS*		OVARY		PANCREAS		OTHERS		ALL SITES	
DIAGNOSIS	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
0-4	-	---	-	-	-	-	-	-	-	-	-	-	---	-	1	2	---	-	-	1	47	56	48	59
5-9	-	---	-	-	-	-	-	-	-	-	-	-	---	-	6	1	---	1	-	-	36	27	42	29
10-14	-	---	-	1	-	1	-	1	-	-	-	-	---	-	13	14	---	1	-	-	34	24	47	42
15-19	-	---	-	-	2	1	1	-	-	1	-	1	---	-	12	19	---	1	-	-	63	114	78	137
20-24	-	---	-	1	-	1	1	1	1	-	1	-	---	2	22	19	---	8	-	-	82	305	107	337
25-29	-	---	-	16	1	2	4	2	2	1	2	-	---	2	23	17	---	3	-	1	94	378	126	422
30-34	1	---	-	70	6	1	7	7	-	7	2	1	---	6	26	24	---	13	-	1	140	399	182	529
35-39	-	---	1	224	12	9	15	12	8	7	14	1	---	19	42	21	---	21	4	1	196	406	292	721
40-44	22	---	-	512	26	38	28	31	25	19	16	7	---	36	55	32	---	31	4	4	253	457	429	1167
45-49	115	---	-	767	74	55	46	45	39	26	41	17	---	58	69	36	---	69	14	9	383	412	781	1494
50-54	404	---	5	855	169	120	96	72	66	37	55	18	---	102	68	55	---	78	28	23	530	428	1421	1788
55-59	769	---	3	835	258	221	116	115	84	36	116	35	---	131	88	68	---	71	35	21	559	376	2028	1909
60-64	1057	---	3	757	413	349	185	138	113	48	175	51	---	141	89	93	---	79	49	47	653	400	2737	2103
65-69	1542	---	5	883	575	458	242	208	118	70	214	63	---	170	100	83	---	92	65	66	794	540	3655	2633
70-74	1565	---	5	835	689	522	287	271	136	64	282	78	---	149	124	106	---	73	69	53	873	560	4030	2711
75-79	1118	---	8	765	659	471	300	287	108	76	278	81	---	128	146	108	---	72	83	70	821	607	3521	2665
80-84	608	---	4	564	379	285	247	314	85	59	227	67	---	92	97	94	---	73	74	64	598	596	2319	2208
85+	423	---	3	415	233	184	175	306	55	64	160	75	---	85	58	87	---	55	39	78	436	570	1582	1919
TOTAL	7624	---	37	7500	3496	2718	1750	1810	840	515	1583	495	---	1121	1039	879	---	741	464	439	6,592	6,655	23,425	22,873

* Non-Hodgkins Lymphoma (NHL) and Hodgkins Disease are not included in the anatomical site (e.g., lymphoma of the stomach is counted as a lymphoma, not stomach cancer).

TABLE C-3
MOST FREQUENTLY REPORTED NEOPLASMS BY SITE, SEX AND COUNTY OF RESIDENCE
MONTANA RESIDENTS, 1994-2003 DIAGNOSES
CASES REPORTED AS OF DECEMBER 2004
MONTANA CENTRAL TUMOR REGISTRY

	PRIMARY CANCER SITES																							
COUNTY OF	PROSTATE		BREAST		LUNG		COLON		RECTUM & RECTOSIG		BLADDER		UTERUS		NHL & HODGKINS*		OVARY		PANCREAS		OTHERS		ALL SITES	
RESIDENCE	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Beaverhead	94	---	-	68	32	33	20	21	9	5	15	4	---	14	11	11	---	8	5	3	70	79	256	246
Big Horn	80	---	-	74	44	27	17	20	8	6	20	5	---	8	10	7	---	10	4	8	73	73	256	238
Blaine	70	---	-	58	22	22	15	13	9	3	7	2	---	13	3	7	---	7	5	2	38	36	169	163
Broadwater	41	---	-	39	23	23	8	9	5	5	6	6	---	9	7	7	---	4	3	1	25	20	118	123
Carbon	99	---	-	68	42	32	23	21	13	11	19	9	---	12	13	13	---	12	3	3	84	90	296	271
Carter	17	---	-	7	7	3	4	4	1	-	3	2	---	2	3	-	---	-	-	1	8	4	43	23
Cascade	815	---	4	831	325	272	151	170	84	52	127	44	---	128	85	93	---	64	36	35	642	718	2269	2407
Chouteau	62	---	-	67	16	17	16	17	8	4	11	5	---	12	9	10	---	4	6	2	55	37	183	175
Custer	122	---	-	88	68	57	39	36	17	3	24	6	---	16	14	9	---	12	8	14	91	79	383	320
Daniels	22	---	-	17	13	11	6	4	3	3	3	1	---	3	3	3	---	2	1	-	18	18	69	62
Dawson	85	---	2	61	39	33	20	26	13	7	20	7	---	12	11	10	---	9	6	3	71	66	267	234
Deer Lodge	128	---	1	94	53	44	27	34	13	6	27	7	---	14	13	13	---	6	5	4	90	95	357	317
Fallon	31	---	-	23	11	6	8	10	9	1	5	3	---	2	2	3	---	-	-	1	26	14	92	63
Fergus	166	---	1	134	72	55	40	40	16	21	30	8	---	24	22	19	---	18	11	11	134	118	492	448
Flathead	567	---	2	663	274	213	133	151	58	35	100	28	---	112	88	78	---	76	50	41	464	463	1736	1860
Gallatin	320	---	2	463	130	94	61	94	43	23	83	26	---	60	60	44	---	42	27	16	334	441	1060	1303
Garfield	20	---	-	9	2	1	6	3	1	-	2	-	---	2	4	3	---	-	1	-	10	7	46	25
Glacier	73	---	-	90	44	35	24	18	13	3	15	2	---	11	9	9	---	-	3	5	62	70	243	243
Golden Valley	12	---	-	9	10	3	3	3	2	-	7	-	---	5	1	4	---	4	-	-	11	4	46	32
Granite	22	---	-	18	17	9	3	7	3	-	5	1	---	3	5	1	---	5	1	2	19	14	75	60
Hill	139	---	2	136	65	65	57	33	7	11	23	11	---	27	13	13	---	11	11	6	114	118	431	431
Jefferson	79	---	-	75	40	21	18	12	12	2	21	4	---	9	13	7	---	11	4	6	70	51	257	198
Judith Basin	35	---	-	17	14	5	5	4	2	2	4	1	---	4	2	2	---	1	1	-	18	20	81	56
Lake	204	---	-	171	111	69	52	54	34	18	37	17	---	35	32	16	---	23	16	11	204	191	690	605
Lewis & Clark	447	---	2	488	197	181	96	103	45	36	94	44	---	72	62	57	---	50	20	28	372	348	1335	1407
Liberty	35	---	-	28	4	6	5	7	-	2	2	3	---	5	4	3	---	2	-	3	18	19	68	78
Lincoln	150	---	2	214	124	72	42	47	17	10	51	8	---	24	28	25	---	20	12	5	153	140	579	565
McCone	26	---	-	11	4	3	3	11	3	1	4	1	---	1	6	1	---	-	2	2	16	9	64	40
Madison	79	---	1	60	24	18	9	8	4	3	15	4	---	8	4	9	---	6	1	5	51	47	188	168
Meagher	15	---	-	12	12	10	5	4	8	1	6	1	---	4	4	1	---	-	-	2	23	12	73	47
Mineral	38	---	-	21	26	15	5	7	2	2	10	3	---	7	4	2	---	4	4	3	38	25	127	89
Missoula	529	---	3	752	248	220	130	130	54	39	133	46	---	89	79	87	---	65	35	34	558	605	1769	2067
Musselshell	49	---	-	52	22	24	8	13	7	3	10	3	---	5	10	6	---	4	2	2	47	49	155	161
Park	110	---	1	123	60	56	30	38	18	10	36	8	---	17	27	14	---	19	4	9	114	127	400	421
Petroleum	5	---	-	4	3	1	1	2	2	1	2	1	---	1	1	-	---	-	1	1	1	7	16	18
Phillips	64	---	-	45	22	18	13	15	11	4	13	2	---	8	8	6	---	2	5	4	51	42	187	146
Pondera	70	---	-	59	21	19	17	12	10	5	12	1	---	15	6	12	---	5	5	7	62	58	203	193
Powder River	14	---	-	14	7	3	3	2	2	-	6	-	---	3	3	3	---	-	4	2	14	6	53	33
Powell	76	---	-	47	41	24	20	13	1	5	19	6	---	12	7	10	---	3	7	6	79	51	250	177
Prairie	26	---	2	11	6	1	3	4	-	1	6	1	---	3	4	3	---	1	-	-	15	13	62	38
Ravalli	342	---	-	258	145	107	77	71	25	24	81	17	---	33	35	33	---	28	20	16	257	231	982	818
Richland	49	---	-	72	61	26	14	19	11	5	14	4	---	5	15	6	---	6	4	7	73	55	241	205
Roosevelt	55	---	-	77	43	22	17	17	8	9	9	1	---	3	5	8	---	8	2	4	80	56	219	205
Rosebud	59	---	-	51	42	27	18	13	10	4	11	3	---	6	4	8	---	4	6	5	69	67	219	188
Sanders	112	---	2	90	62	36	25	19	9	7	24	7	---	9	16	11	---	12	10	5	99	80	359	276
Sheridan	30	---	1	28	23	17	12	6	7	3	9	-	---	4	8	8	---	5	2	2	31	41	123	114
Silver Bow	343	---	1	279	178	128	92	100	34	20	86	33	---	48	33	33	---	33	23	19	312	316	1102	1009
Stillwater	99	---	-	67	34	21	17	16	10	2	16	5	---	14	12	8	---	8	4	9	96	73	288	223
Sweet Grass	44	---	-	33	12	11	9	10	4	2	9	3	---	2	6	7	---	2	1	1	22	25	107	96
Teton	80	---	-	72	20	20	22	15	5	2	12	7	---	14	10	4	---	5	5	4	42	56	196	199
Toole	51	---	1	34	20	19	14	10	7	3	8	5	---	8	7	5	---	2	3	4	41	29	152	119
Treasure	13	---	-	8	4	3	3	-	3	1	1	-	---	1	4	2	---	-	-	1	3	7	31	23
Valley	114	---	-	74	43	31	29	21	16	4	24	3	---	22	16	8	---	11	9	5	98	72	349	251
Wheatland	32	---	-	29	5	8	6	4	5	1	5	-	---	1	-	-	---	2	1	2	26	17	80	64
Wibaux	14	---	-	4	1	3	1	3	-	2	5	-	---	2	2	-	---	1	-	1	7	8	30	24
Yellowstone	1142	---	7	1102	507	417	248	264	119	81	234	76	---	136	175	116	---	104	65	66	991	1132	3488	3494
Unknown	9	---	-	1	1	1	-	2	-	1	2	-	---	2	1	1	---	-	-	-	2	6	15	14
TOTAL	7624	---	37	7500	3496	2718	1750	1810	840	515	1583	495	---	1121	1039	879	---	741	464	439	6,592	6,655	23,425	22,873

* Non-Hodgkins Lymphoma (NHL) and Hodgkins Disease are not included in the anatomical site (e.g., lymphoma of the stomach is counted as a lymphoma, not stomach cancer)

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